Prepared for

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2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

PLANT HAMMOND ASH POND 2 (AP-2)

Prepared by

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CERTIFICATION STATEMENT

This *2025 Annual Groundwater Monitoring and Corrective Action Report, Plant Hammond – Ash Pond 2 (AP-2)* has been prepared in compliance with the United States Environmental Protection Agency Coal Combustion Residual Rule (40 Code of Federal Regulations [CFR] 257 Subpart D), specifically § 257.90(e), and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10 by a qualified groundwater scientist or engineer with Geosyntec Consultants, Inc. I hereby certify that I am a qualified groundwater scientist, in accordance with the Georgia Rules of Solid Waste Management 391-3-4-.01.



_____ January 30, 2026

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SUMMARY

This summary of the *2025 Annual Groundwater Monitoring and Corrective Action Report* provides the status of the groundwater monitoring and corrective action program for the reporting period from January to July 2025 (referred to herein as the "annual reporting period") at Georgia Power Company's (Georgia Power's) Plant Hammond Ash Pond 2 (AP-2) (the Site). This summary was prepared by Geosyntec Consultants, Inc. (Geosyntec) on behalf of Georgia Power to meet the requirements listed in Part A, Section 6[1] of the United States Environmental Protection Agency (USEPA) Coal Combustion Residual Rule (federal CCR Rule) (40 Code of Federal Regulations [CFR] 257 Subpart D).

Plant Hammond is located at 5963 Alabama Highway SW, approximately 10 miles west of Rome in Floyd County, Georgia. Dewatered ash from AP-2 is excavated and transported to the nearby Huffaker Road facility, a permitted solid waste disposal location owned and operated by Georgia Power. The Site is located on the southwestern portion of the Plant Hammond property. The Georgia Environmental Protection Division (GA EPD) approved closure permit no. 057-024D(CCR) for AP-2 on June 22, 2020. CCR removal activities are complete, and a certification was submitted to GA EPD on September 24, 2024. On December 23, 2024, GA EPD acknowledged that removal activities within the identified boundaries of AP-2 are complete.



Plant Hammond and the Site

Groundwater at the Site is monitored using a comprehensive monitoring well network that meets federal and state monitoring requirements. Routine sampling and reporting began after the background groundwater conditions were established between May 2016 and May 2017. Based on groundwater conditions at the Site, an assessment monitoring program and assessment of corrective measures program were established in January 2018 and January 2019, respectively. A *Draft Remedy Selection Report*, which summarizes the evaluation and proposed selection of a corrective measure, or measures, was submitted to GA EPD on August 31, 2022. In June 2023, Georgia Power submitted

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

to GA EPD both a Pilot Test Notification Form and separate workplans outlining the design and implementation of a pilot study in vicinity of HGWC-18 and vicinity of MW 33 and MW-35 (Geosyntec, 2023a, 2023b). GA EPD's Underground Injection Control (UIC) Program approved the Pilot Test Notification Form on August 24, 2023. Pilot study injection activities were initiated in September 2023 and concluded during the current reporting period. Post-injection performance monitoring was completed in accordance with the pilot study workplans. A *Pilot Study Summary Report* is attached summarizing the pilot studies conducted and performance results and was submitted to GA EPD under separate cover on August 29, 2025. GA EPD issued a letter on October 30, 2025, concurring with the summary report conclusions. On December 19, 2025 Georgia Power submitted a letter to GA EPD proposing to hold a public meeting, in accordance with 40 CFR §257.96(e), during the first quarter of 2026 to present the proposed remedial strategy.

During the annual reporting period, Geosyntec conducted two groundwater sampling events in February/March and August 2025 in support of the assessment monitoring program. Groundwater samples were submitted to Pace Analytical Services, LLC, for analysis. Per the federal CCR Rule, groundwater data from each semiannual assessment monitoring event conducted during the annual reporting period were evaluated in accordance with the certified statistical methods. That evaluation showed statistically significant values of Appendix III[2] and Appendix IV[3] constituents in excess of established groundwater protection standards (GWPS) in select monitoring wells, as summarized in the table below for the 2025 annual reporting period.

[2] Boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS)
[3] Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, fluoride, lead, lithium, mercury, molybdenum, selenium, thallium, and combined radium 226 + 228

Appendix III Constituent	February/March 2025	August 2025
Boron	HGWC-14, HGWC-15, HGWC-16, HGWC-17, HGWC-18	HGWC-14, HGWC-15, HGWC-16, HGWC-17, HGWC-18
Calcium	HGWC-14, HGWC-15, HGWC-16, HGWC-17	HGWC-14, HGWC-15, HGWC-16, HGWC-17, HGWC-18
Chloride	HGWC-14, HGWC-15, HGWC-16, HGWC-17	HGWC-14, HGWC-15, HGWC-16, HGWC-17, HGWC-18
Sulfate	HGWC-14, HGWC-15, HGWC-16, HGWC-17, HGWC-18	HGWC-14, HGWC-15, HGWC-16, HGWC-17, HGWC-18
Total Dissolved Solids	HGWC-14, HGWC-15, HGWC-16, HGWC-17	HGWC-14, HGWC-15, HGWC-16, HGWC-17, HGWC-18
Appendix IV Constituent[4]	**February/March 2025**	**August 2025**
Cobalt	HGWC-18, MW-33, MW-35	HGWC-18, MW-33, MW-35

Based on a review of the Appendix III and Appendix IV statistical results completed for the groundwater monitoring and corrective action program for the annual reporting period, the Site will continue in assessment monitoring. Georgia Power will continue routine groundwater monitoring and reporting at the Site. Reports will be posted to Georgia Power's CCR Rule Compliance website and provided to GA EPD semiannually.

[4] A statistically significant level (SSL)-related constituent is determined by comparing the confidence intervals developed to either the constituent's MCL, if available; where an MCL has not been established, then a CCR-rule specific GWPS; or background concentrations for constituents where the concentration is greater than the MCL or rule specified GWPS.

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LIST OF ACRONYMS AND ABBREVIATIONS

ACM	Assessment of Corrective Measures
AP-2	Ash Pond 2
CCR	coal combustion residuals
CFR	Code of Federal Regulations
cm/sec	centimeters per second
DO	dissolved oxygen
EDR	Environmental Data Resources
ft/day	feet per day
ft/ft	feet per foot
GA-20	Georgia Highway 20
GA EPD	Georgia Environmental Protection Division
Georgia Power	Georgia Power Company
Geosyntec	Geosyntec Consultants, Inc.
GSC	Groundwater Stats Consulting
GWPS	groundwater protection standard
HAR	Hydrogeologic Assessment Report
K_h	horizontal hydraulic conductivity
i	horizontal hydraulic gradient
MCL	Maximum Contaminant Level
mg/L	milligram per liter
n_e	effective porosity
NELAP	National Environmental Laboratory Accreditation Program
NTU	nephelometric turbidity units
ORP	oxidation-reduction potential
Pace Analytical	Pace Analytical Services, LLC.
PE	professional engineer
PL	prediction limit
QA/QC	Quality Assurance/Quality Control
SSI	statistically significant increase
SSL	statistically significant level
s.u.	standard unit
Unified Guidance	Statistical Analysis of Groundwater Data at RCRA Facilities Unified Guidance
USEPA	United States Environmental Protection Agency

1.0 INTRODUCTION

In accordance with the United States Environmental Protection Agency (USEPA) Coal Combustion Residual Rule (federal CCR Rule) (40 Code of Federal Regulations [CFR] Part 257, Subpart D) and the Georgia Environmental Protection Division (GA EPD) Rules for Solid Waste Management 391-3-4-.10, Geosyntec Consultants, Inc. (Geosyntec) has prepared this *2025 Annual Groundwater Monitoring and Corrective Action Report* to document groundwater monitoring activities conducted at Georgia Power Company (Georgia Power) Plant Hammond (Site) Ash Pond 2 (AP-2) for the reporting period of January through December 2025 (referred to herein as the "annual reporting period").

Groundwater monitoring and reporting for the CCR unit is performed in accordance with the monitoring requirements of § 257.90 through 257.95 of the federal CCR Rule, and GA EPD Rules for Solid Waste Management 391-3-4-.10(6). To specify groundwater monitoring requirements, GA EPD rule 391-3-4-.10(6)(a) incorporates by reference the federal CCR Rule. For ease of reference, the federal CCR Rule is cited within this report in lieu of citing both sets of regulations. Also, the closure permit issued by GA EPD (i.e., no. 057-024D(CCR)) stipulates that groundwater monitoring is required while CCR waste remains in place at the CCR unit and for no less than 5-years after removal of the material.

Due to statistically significant levels (SSLs) of cobalt identified in the *2018 Annual Groundwater Monitoring and Corrective Action Report* (Geosyntec, 2019a), Georgia Power initiated an assessment of corrective measures (ACM) program for AP-2 in January 2019. Pursuant to § 257.96(b), Georgia Power continues to monitor groundwater associated with AP-2 in accordance with the assessment monitoring program established for the unit in 2018, including semiannual monitoring and reporting pursuant to § 257.90 through § 257.95 of the federal CCR Rule, and GA EPD Rules for Solid Waste Management 391-3-4-.10(6)(a). A *Draft Remedy Selection Report,* which summarizes the evaluation and proposed selection of a corrective measure, or measures, was submitted to GA EPD on August 31, 2022, (Geosyntec, 2022).

The current reporting period groundwater data indicate that the SSLs for cobalt are horizontally and vertically delineated to below their corresponding groundwater protection standards (GWPS).

1.1 Site Description and Background

Plant Hammond is located in Floyd County, Georgia, approximately 10 miles west of Rome and is bordered by Georgia Highway 20 (GA-20) on the north, the Coosa River on the south, Cabin Creek and industrial land on the east, and sparsely populated, forested, rural and industrial land on the west (**Figure 1**). The physical address of the plant is 5963 Alabama Highway, Rome, Georgia, 30165.

Plant Hammond was a four-unit, coal-fired electric generating facility. All four units at Plant Hammond were retired on July 29, 2019 and no longer produce electricity.

AP-2 is a 21-acre surface impoundment. Dewatered ash from AP-2 is excavated and transported to the nearby Huffaker Road facility, a permitted solid waste disposal location owned and operated by Georgia Power. Georgia Power closed AP-2 through removal of the CCR material from the CCR unit. The Closure Plan submitted to GA EPD as part of the closure permit application package describes the closure activities and requirements in accordance with § 257.102. The closure by removal approach provides a source control measure that reduces the potential for migration of CCR constituents to groundwater. Details of the closure approach are provided in the Written Closure Plan and published to Georgia Power's CCR Rule Compliance website. Closure permit no. 057-024D(CCR) was approved by GA EPD on June 22, 2020. CCR removal activities are complete, and a certification was submitted to GA EPD on September 24, 2024. On December 23, 2024, GA EPD acknowledged that removal activities within the identified boundaries of AP-2 are complete. The area where CCR removal was certified complete is shown on **Figure 2**. A 5-year Permit Review document package was submitted to GA EPD on December 18, 2024, and subsequently approved on May 28, 2025.

1.2 Regional Geology and Hydrogeologic Setting

The following section summarizes the geologic and hydrogeologic conditions at AP-2 as described in the *Hydrogeologic Assessment Report Revision 01 – AP-2* (HAR Rev 01) submitted to GA EPD in December 2019 in support of the AP-2 solid waste handling permit (Geosyntec, 2019c).

1.2.1 Regional and Site Geology

The Site is located within the Great Valley District of the Valley and Ridge Physiographic Province (Valley and Ridge) in northwest Georgia. The Valley and Ridge is characterized

by Paleozoic sedimentary rocks that have been folded and faulted into the ridges and valleys that gave this region its name. Geologic mapping performed at the Site by Petrologic Solutions, Inc., under the direction of Golder (Golder, 2018), indicates that AP-2 is underlain by the lower units of the Cambrian age Conasauga Formation, consisting of mostly calcareous shale. Based on review of subsurface investigations at AP-2, the bedrock was identified as predominantly calcareous shale and fissile black shale. AP-2 is underlain primarily by five lithologic units: (i) terrace alluvium; (ii) colluvium; (iii) residuum; (iv) partially weathered shale bedrock; and (v) unweathered shale bedrock.

Based on subsurface investigations, the alluvial deposits generally grade from a silt and silty clay to a clayey sand and silty sand to a sand and gravelly sand at depth. The colluvium consists of silty sand, silty clay with angular and sub-rounded chert fragments, and dolomite, sandstone, and shale fragments. Residual or native soils have been derived from the in-place weathering of the shale bedrock. The residuum is generally described as brown to yellow brown firm clayey silt with weathered shale fragments. The partially weathered shale zone occurs as an intermediate weathering stage between the residuum and the unweathered shale bedrock. The weathered material is described as black to dark gray to dark red, hard, fissile shale and claystone. The unweathered shale bedrock was not encountered or directly observed in the historical borings advanced at the Site. However, based on geologic conditions in the region, weathering, fracturing and jointing decreases with depth, and the weathered rock material grades into competent bedrock.

1.2.2 Hydrogeologic Setting

The uppermost aquifer at AP-2 is a regional groundwater aquifer that occurs primarily in the alluvial, colluvial, and residuum and within the weathered and fractured bedrock. The movement of groundwater in the soil can be characterized as low-to moderate permeability, porous media flow based on hydraulic field testing at the Site (slug testing). The groundwater flow in the shallow underlying bedrock is characterized as fracture flow and is expected to be very low permeability due to the preponderance of shale beneath AP-2. The regional groundwater flow direction is expected to be from north to south; however, the local flow direction beneath AP-2 is predominantly east to west with an additional southerly component. Under post-closure conditions, the groundwater flow direction is anticipated to more closely resemble the regional flow regime (north to south toward the Coosa River). The February and August 2025 groundwater elevations are generally lower than those of prior monitoring years, likely due to site closure at AP-2.

1.3 Groundwater Monitoring Well Network

In accordance with § 257.91, a groundwater monitoring system was installed at AP-2 that consists of a sufficient number of wells installed at appropriate locations and depths to yield groundwater samples from the uppermost aquifer to represent the groundwater quality both upgradient of the units (i.e., background conditions) and passing the waste boundary of the units. The number, spacing, and depths of the groundwater monitoring wells were selected based on the characterization of site specific hydrogeologic conditions.

As part of the assessment monitoring program, assessment wells have been installed since 2018 to supplement the pre-existing detection monitoring wells and characterize the nature and extent of SSLs in groundwater downgradient of AP-2. Pursuant to § 257.95(g)(1)(iv), the wells classified as "assessment monitoring wells" will continue to be sampled concurrently with the detection monitoring well network as part of the ongoing assessment groundwater monitoring program.

An on-site network of piezometers is used in combination with the detection and assessment monitoring well networks to gauge water levels to define groundwater flow direction and gradients. The piezometers may be sampled as needed to support the ACM program.

With GA EPD's approval of the 5-year Permit Review in May 2025, three assessment wells (MW-22, MW-23D, and MW-37D) were reclassified as piezometers for subsequent groundwater sampling events. As a result those wells were not included in the August 2025 sampling event.

The locations of the detection monitoring wells, assessment monitoring wells, and piezometers are shown on **Figure 2**; well and piezometer construction details are listed in **Table 1**.

2.0 GROUNDWATER MONITORING ACTIVITIES

In accordance with § 257.90(e), the following describes monitoring-related activities performed during the annual reporting period and discusses any change in status of the monitoring program. Groundwater sampling was performed in accordance with § 257.93.

2.1 Monitoring Well Installation and Maintenance

No additional detection monitoring wells or piezometers were installed during this annual reporting period.

The well and piezometer networks are inspected semiannually to evaluate if any repairs or corrective actions are necessary to meet the requirements of the Georgia Water Well Standards Act (O.C.G.A. § 12-5-134(5)(d)(vii)). In February and August 2025, the networks were inspected, necessary corrective actions were identified and subsequently completed, as documented in **Appendix A**. This documentation was prepared under the direction of a professional geologist or engineer registered in the State of Georgia.

While the entire AP-2 well network was gauged and accessible on February 10, 2025, several wells along the Coosa River floodplain were subsequently inaccessible due to an increase in the river stage. Due to the elevated river stage, horizontal assessment monitoring wells MW-35, MW-51, and piezometers MW-56, MW-57, and MW-58 were redeveloped February 24-25, 2025. Following redevelopment efforts and a sufficient recharge period, horizontal assessment monitoring wells MW-35 and MW-51 were sampled on March 6, 2025.

2.2 Assessment Monitoring

Georgia Power initiated an assessment monitoring program for groundwater at AP-2 in January 2018 based on statically significant increases (SSIs) of Appendix III constituents documented in the *2017 Annual Groundwater Monitoring and Corrective Action Report* (ERM, 2018). A notice of assessment monitoring was placed in the operating record on May 15, 2018. Currently identified SSL of an Appendix IV constituent exceeding its respective GWPS at AP-2 is cobalt in HGWC-18, MW-33, and MW-35.

Pursuant to § 257.96, an ACM was initiated for AP-2 in January 2019. An *Assessment of Corrective Measures Report – Plant Hammond Ash Pond 2 (AP-2)* (ACM Report) was subsequently prepared for AP-2 (Geosyntec, 2019b) and submitted to GA EPD in June

2019 and posted to Georgia Power's CCR Rule Compliance website in July 2019. A *Draft Remedy Selection Report,* which summarizes the evaluation and proposed selection of a corrective measure, or measures, was submitted to GA EPD on August 31, 2022 (Geosyntec, 2022). In accordance with § 257.96(b), groundwater continues to be monitored at AP-2 under the assessment monitoring program while the ACM phase is implemented.

In support of the routine assessment monitoring program, the annual assessment monitoring events were conducted in February/March 2025 and August 2025. The wells sampled and the dates the samples were collected at AP-2 during the annual reporting period are summarized in **Table 2**. Details of these events and analytical results are discussed in Section 3.

2.3 Additional Groundwater and Surface Water Evaluations

Additional groundwater samples were collected from the entire AP-2 detection and assessment well networks during the February/March 2025 event and were analyzed for major cations, major anions, iron, and manganese. The data were collected in support of evaluating the geochemical composition of the groundwater in conjunction with the ACM activities.

Due to the presence of surface water features immediately downgradient of select wells reporting SSLs, Georgia Power proactively collected surface water samples in February and August 2025 from three locations in the unnamed creek west of AP-2 (AP2-Up, AP2-Mid, AP2-Down) and three locations in the Coosa River, as shown on **Figure 2** (i.e., H+0.25, H+0.35, H+0.75), to horizontally delineate identified SSLs of cobalt in groundwater at AP- 2. Georgia Power will continue collecting the surface water samples semiannually to support ACM efforts.

The laboratory reports associated with the additional evaluations are provided in **Appendix B**.

2.4 Assessment of Corrective Measures

As presented in the *Draft Remedy Selection Report* (Geosyntec, 2022), in-situ geochemical injections, coupled with monitored natural attenuation (MNA), have been proposed as corrective measures to address the SSLs of cobalt in detection monitoring well HGWC-18 and assessment monitoring wells MW-33 and MW-35. Design of in-situ

geochemical injection corrective measures includes multiple assessment and design components, including pilot studies to evaluate injection delivery and the performance of injectates prior to implementing a full scale remedy. Georgia Power initiated a pilot study in vicinity of these wells in September 2023, as detailed in the *HGWC-18 Pilot Study Workplan* (Geosyntec, 2023a) and *MW-33 and MW-35 Pilot Study Workplan* (Geosyntec, 2023b).

A post-injection performance monitoring program was initiated mid-September 2023 during which groundwater samples were collected from performance monitoring piezometers INW-01, INW-02, and PT-01 through PT-06; groundwater samples were analyzed for the complete suite of Appendix III and Appendix IV constituents (except total radium) and select metals and inorganics necessary to evaluate the geochemistry of the groundwater. Monitoring of corrective action piezometers continued during the 2025 annual reporting period to collect data supporting future corrective action. Details of these events and analytical results collected during the annual reporting period are discussed in Section 6.

3.0 SAMPLING METHODOLOGY AND ANALYSES

The following section presents a summary of the field sampling procedures that were implemented, and the groundwater sampling results that were obtained, in connection with the assessment monitoring program conducted at AP-2 during the annual reporting period.

3.1 Groundwater and Surface Water Level Measurement

A synoptic round of depth-to-groundwater-level measurements were recorded from the AP-2 wells and piezometers during the February and August 2025 assessment monitoring event and used to calculate the corresponding groundwater elevations, which are presented in **Table 3**. The February and August 2025 groundwater elevations are generally lower than those of prior spring gauging events, attributed to site closure of AP- 2.

Surface water elevations were recorded from a surveyed measuring point located midway across the service bridge, located midway along the unnamed creek west of AP-2 ('Unnamed Creek' location), and at the Coosa River staff gauge located downgradient of AP-1, as shown in **Figure 2.**

The groundwater and surface water elevation data were used to prepare potentiometric surface maps for the February and August 2025 gauging event, which are presented on **Figure 3** and **Figure 4**, respectively. Groundwater in the AP-2 area flows under the influence of topography from higher elevations on the northern and eastern side of the Site in a westerly direction beneath AP- 2 with a southerly flow component. This groundwater flow pattern is consistent with previous observations.

3.2 Groundwater Gradient and Flow Velocity

The horizontal groundwater hydraulic gradients within the uppermost aquifer beneath AP- 2 were calculated using the groundwater elevation data from the February and August 2025 gauging event. A horizontal hydraulic gradient is commonly calculated between two points along the groundwater flow path perpendicular to groundwater elevation contours. Ideally, this flow path originates and concludes with groundwater elevations reported for two wells, but this may not be feasible and still remain perpendicular to the contours. The horizontal hydraulic gradient in this report was calculated between upgradient and downgradient wells selected to provide the most

accurate alignment possible relative to the interpreted groundwater flow path. The horizontal hydraulic gradient was calculated across the central portion of AP-2 between MW-18 and HGWC-17 in February 2025, and between MW-18 and HGWC-16 in August 2025. The supporting calculations are presented in **Table 4.** The general trajectory of the flow paths used in the calculations and associated potentiometric contour lines are shown on **Figure 3** and **Figure 4**, respectively**.** The average calculated hydraulic gradient along the westerly flow path line for the annual reporting period is 0.0085 ft/ft).

The approximate horizontal flow velocity associated with AP-2 was calculated using the following derivative of Darcy's Law. The calculation is presented in **Table 4**.

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

where:

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

K_h = Horizontal Hydraulic Conductivity $\left(\frac{feet}{day}\right)$

i = Horizontal hydraulic gradient $\left(\frac{feet}{foot}\right) = \frac{h_1 - h_2}{L}$

h_1 and h_2 = Groundwater elevation at location 1 and 2

L = distance between location 1 and 2

n_e = Effective porosity

The horizontal hydraulic conductivity (K_h) measurements were calculated from slug test data collected in AP-2 wells and piezometers. As presented in the HAR Rev 01, results were broadly grouped based on the lithology in which the wells or piezometers were screened. The geometric mean of the K_h values of the alluvium, colluvium, residuum, and partially weathered shale bedrock were used to represent the overall hydraulic conductivity at AP-2 of 5.17 x 10^{-4} centimeters per second (cm/sec) (1.47 feet per day [ft/day]) (Geosyntec, 2019c). An effective porosity value of 0.15 was used to represent average lithologic conditions at AP-2, derived based on review of literature (Kresic, 2007), observed site lithology, and professional judgement. Applying these values and the hydraulic gradient, the average groundwater flow velocity underneath AP-2 for the annual reporting period was calculated to be 0.085 ft/day.

3.3 Groundwater Sampling Procedures

Groundwater samples were collected using low-flow sampling procedures in accordance with § 257.93(a). Purging and sampling was performed using dedicated bladder pumps with dedicated tubing, non-dedicated bladder pumps, and peristaltic pumps. For wells sampled with non-dedicated bladder pumps and peristaltic pumps, the pump intake was lowered to the midpoint of the well screen (or as appropriate based on the groundwater level). Non-dedicated bladder pump and peristaltic pump samples were collected using new disposable polyethylene tubing; all non-dedicated tubing was disposed of following the sampling event. All non-disposable equipment was decontaminated before use and between well locations.

An in-situ water quality field meter (Aqua TROLL 400) was used to monitor and record field water quality parameters [i.e., pH, conductivity, dissolved oxygen (DO), temperature, and oxidation reduction potential (ORP)] during well purging to verify stabilization prior to sampling. Turbidity was monitored using a portable turbidity meter (i.e., LaMotte 2020we or similar). Groundwater samples were collected once the following stabilization criteria were met:

- pH ± 0.1 standard units (s.u.).
- Conductivity ± 5%.
- ± 0.2 milligram/liter (mg/L) or ± 10%, whichever is greater for DO > 0.5 mg/L. No criterion applies if DO < 0.5 mg/L, record only.
- Turbidity measured less than 5 nephelometric turbidity units (NTU) or measured between 5 and 10 NTU following three hours of purging.

Following purging, and once stabilization was achieved, unfiltered samples were collected into appropriately preserved laboratory-supplied sample containers. Sample bottles were placed in ice-packed coolers and submitted to Pace Analytical Services, LLC (Pace Analytical), following chain-of-custody protocol. The field sampling and equipment calibration forms generated during the annual reporting period are provided in **Appendix B**.

3.4 Laboratory Analyses

Laboratory analyses were performed by Pace Analytical, which is accredited by the National Environmental Laboratory Accreditation Program (NELAP). Pace Analytical maintains a NELAP certification for the Appendix III and Appendix IV constituents analyzed for this project. Analytical methods used for groundwater and surface water sample analyses are listed in the analytical laboratory reports included in **Appendix B**. The groundwater results from the annual reporting period and corrective action piezometer sampling are summarized in **Table 5** and **Table 6,** respectively. The surface water analytical results are summarized in **Table 7**.

3.5 Quality Assurance and Quality Control Summary

Quality assurance/quality control (QA/QC) samples were collected during the groundwater monitoring events in accordance with the site's *Groundwater Monitoring Plan* (Geosyntec, 2021), and included the following: field duplicates, equipment blanks, and field blank samples. QA/QC samples were collected in appropriately preserved laboratory-provided containers and submitted under the same chain of custody as the primary samples for analysis of the same constituents by Pace Analytical.

In addition to collecting QA/QC samples, the data were validated based on the pertinent methods referenced in the laboratory reports, professional and technical judgment, and applicable federal guidance documents (USEPA, 2011; USEPA, 2017). Where necessary, the data were qualified with supporting documentation and justifications. The validated data are considered usable for meeting project objectives. The associated data validation reports are provided in **Appendix B**, along with the laboratory reports.

4.0 STATISTICAL ANALYSIS

The following section summarizes the statistical analysis of Appendix III groundwater monitoring data performed pursuant to § 257.93. In addition, pursuant to § 257.95(d)(2), Georgia Power established GWPS for the Appendix IV constituents and completed statistical analyses of the Appendix IV groundwater monitoring data obtained during the annual reporting period. The data were analyzed by Groundwater Stats Consulting (GSC); the report generated from the analyses is provided in **Appendix C.**

4.1 Statistical Methods

Groundwater data from the annual reporting period were statistically analyzed in accordance with the Professional Engineer-certified (PE-certified) Statistical Analysis Method Certification (October 2017, revised January 2020) (Environmental Resource Management, 2017 and Geosyntec, 2020). The Sanitas groundwater statistical software was used to perform the statistical analyses. Sanitas is a decision-support software package that incorporates the statistical tests required of Subtitle C and D facilities by USEPA regulations and guidance as recommended in the USEPA document *Statistical Analysis of Groundwater Data at RCRA Facilities Unified Guidance* (Unified Guidance) (USEPA, 2009).

Appendix III statistical analysis was performed to assess if Appendix III constituents have returned to background levels. Appendix IV constituents were evaluated to assess if concentrations statistically exceeded the established GWPS. Detailed statistical methods used for Appendix III and Appendix IV constituents are discussed in statistical analysis package provided in **Appendix C** and summarized in Sections 4.1.1 and 4.1.2. The GWPS were finalized pursuant to § 257.95(d)(2) and presented in **Table 8**.

4.1.1 Appendix III Statistical Methods

Based on guidance from GA EPD, statistical tests used to evaluate the groundwater monitoring data consist of interwell prediction limits (PLs) combined with a 1-of-2 verification resample plan for each of the Appendix III constituents. Interwell PLs 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 constituent. The most recent sample from each downgradient well is compared to the background limit to assess whether there are statistically significant increases (SSIs). An "initial exceedance" occurs when an Appendix III constituent reported in the groundwater

of a downgradient detection monitoring well exceeds the constituent's associated PL. The 1-of-2 resample plan allows for collection of an independent resample. A confirmed exceedance is noted only when the resample confirms the initial exceedance by also exceeding the statistical limit. If the resample falls within its respective prediction limit, no exceedance is declared.

4.1.2 Appendix IV Statistical Methods

To statistically compare groundwater data to GWPS, confidence intervals are constructed for each of the detected Appendix IV constituents in each downgradient detection and assessment monitoring well with a minimum of four samples. In accordance with Section 21.1.1 of the Unified Guidance (USEPA, 2009), four independent data are the minimum population size recommended to construct confidence intervals required to assess SSLs for Appendix IV constituents. Due to previous non-routine (or ACM investigation) sampling, some Appendix IV constituents at a well location have differing number of analytical data points.

The confidence intervals are compared to the GWPS. Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its GWPS. If a confidence interval exceeds a GWPS, an SSL exceedance is identified.

USEPA revised the federal CCR Rule on July 30, 2018, updating GWPS for cobalt, lead, lithium, and molybdenum. As described in § 257.95(h)(1-3), the GWPS is defined by the below criteria. These criteria were adopted into the GA EPD Rules for Solid Waste Management 391-3-4-.10 on February 22, 2022.

(1) The maximum contaminant level (MCL) established under § 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 0.04 mg/L; and

(iv) Molybdenum 0.1 mg/L.

(3) Background levels for constituents where the background level is higher than the MCL or rule-specified GWPS.

Following the above requirements, GWPS have been established for statistical comparison of Appendix IV constituents and are presented in **Table 8**.

4.2 Statistical Analyses Results

Based on review of the Appendix III statistical analyses presented in **Appendix C**, groundwater conditions have not returned to background and assessment monitoring should continue. Based on review of the statistical analyses, select Appendix IV constituents exceeded the GWPS during the annual reporting period:

4.2.1 February/March 2025 Data

- Cobalt: HGWC-18, MW-33, and MW-35

Wells with SSLs were further evaluated using the Sen's Slope/Mann Kendall trend test (**Appendix C**). A statistically significant decreasing trend of cobalt was identified in February/March 2025 in HGWC-18. No statistically significant trends of cobalt were identified for MW-33 and MW-35 for the February/March 2025 data.

4.2.1 August 2025 Data

- Cobalt: HGWC-18, MW-33, and MW-35

Wells with SSLs were further evaluated using the Sen's Slope/Mann Kendall trend test (**Appendix C**). A statistically significant decreasing trend of cobalt was identified in August 2025 in HGWC-18 and MW-35. No statistically significant trends of cobalt were identified for MW-33 for the August 2025 data.

4.2.2 Summary of Statistical Analyses

The SSLs identified for the annual reporting period are generally consistent with the 2024 annual reporting period.

5.0 NATURE AND EXTENT

Based on statistical analysis of the groundwater data presented herein, the cobalt SSLs are horizontally and vertically delineated to below the site specific GWPS (0.038 mg/L) in HGWC-18, MW-33, and MW-35. The groundwater data from the February/March and August 2025 semiannual assessment monitoring events, which includes data from both the compliance monitoring wells and the temporary corrective action piezometers, were used to generate the cobalt iso-concentration maps presented on **Figure 5** and **Figure 6**, respectively.

Delineation is determined by confidence intervals presented in the statistical analysis prepared for the assessment wells (**Appendix C**). On the northwest side of AP- 2, HGWC-18 is vertically delineated by MW-21D. The conceptual site model on the south side of the pond consists of southerly groundwater flow through alluvium toward the Coosa River. MW-33 is vertically delineated by MW-34D upgradient of the river. However, as groundwater nears the Coosa River, it begins to flow upward and join the Coosa River. As such, to properly characterize the deeper groundwater south of MW-34D as it migrates downgradient, MW-51 was installed with a shallower screen interval to not only horizontally delineate cobalt at MW-35 but also to account for the upward movement of groundwater adjacent to the river. Statistical analysis of the MW-51 groundwater data delineates the horizontal extent of the SSLs of cobalt in MW-33 and MW-35 and the vertical extent of cobalt in MW-35 to below the GWPS.

Due to the presence of a surface water feature (unnamed creek) west of AP-2 in the downgradient direction of HGWC-18 (refer to **Figure 2**), installation of additional wells to horizontally characterize this area is infeasible. For this reason, Georgia Power proactively began collecting surface water samples in July 2020. Cobalt was not detected above the laboratory reporting limit (0.0010 mg/L in February, 0.0050 mg/L in August 2025) in surface water samples collected in February and August 2025 from the three locations in the unnamed creek (AP2-Up, AP2-Mid, and AP2-Down) shown on **Figure 2**. No cobalt impacts to surface water have been detected in unnamed creek; and therefore, the cobalt SSL observed in HGWC-18 is horizontally delineated.

Surface water samples were also collected from the Coosa River in February and August 2025. Three sampling locations (i.e., H+0.25, H+0.35, H+0.75) are in the vicinity of MW-33 and MW- 35 and relevant to conditions at AP-2. These three locations are shown on **Figure 2**. Cobalt was not detected above the GWPS (0.038 mg/L) in any of the Coosa

River samples. The February and August 2025 data associated with the unnamed creek and the Coosa River surface water sampling event are presented in **Table 7** and the laboratory reports are included in **Appendix B**.

6.0 MONITORING PROGRAM STATUS

6.1 Assessment Monitoring Status

Pursuant to § 257.96(b), Georgia Power will continue to monitor the groundwater at AP- 2 in accordance with the assessment monitoring program regulations of § 257.95 while ACM efforts are implemented to address SSLs of cobalt in select AP-2 wells. Pursuant to § 257.95(g)(1)(iv), the assessment monitoring wells will continue to be sampled as part of the ongoing assessment groundwater monitoring program.

6.2 Assessment of Corrective Measures

A *Draft Remedy Selection Report* was submitted to GA EPD on August 31, 2022 (Geosyntec, 2022). The *Draft Remedy Selection Report* was submitted under separate cover and is currently being reviewed by GA EPD. The report summarizes:

- The current groundwater conceptual site model applicable to evaluating groundwater corrective measures proposed in the ACM Report (Geosyntec, 2019b);
- An evaluation of each corrective measure retained for further consideration following the completed investigations; and
- An evaluation of corrective measure options using the comparative criteria such as long- and short-term effectiveness and protectiveness, source control effectiveness, and ease of implementation. The *Draft Remedy Selection Report* presents geochemical approaches (in-situ injections) coupled with monitored natural attenuation as the proposed groundwater remedy for AP-2.

In the interim of GA EPD's review of the *Draft Remedy Selection Report,* the state agency issued a letter on September 23, 2022, stating their support for Georgia Power to initiate a pilot study at AP-2 to facilitate further remedy design. In June 2023, Georgia Power submitted to GA EPD both a Pilot Test Notification Form and separate workplans outlining the design and implementation of a pilot study in vicinity of HGWC-18 and MW-33/MW-35 (Geosyntec, 2023a, 2023b). GA EPD's Underground Injection Control (UIC) Program approved the Pilot Test Notification Form on August 24, 2023. Pilot study injection activities were initiated in September 2023 and concluded in February 2025. Geosyntec prepared a comprehensive *Pilot Study Summary Report* (Geosyntec,

2025) summarizing the pilot study results, inclusive of the sample data collected for the duration of the post-injection performance monitoring and provides recommendations for the design and implementation of the full-scale groundwater remedy. The report was submitted to GA EPD under separate cover August 29, 2025; the report is also included in **Appendix D** of this annual groundwater monitoring report. GA EPD issued a letter on October 30, 2025, concurring with the summary report conclusions.

On December 19, 2025 Georgia Power submitted a letter to GA EPD proposing to hold a public meeting, in accordance with 40 CFR §257.96(e), in the first quarter of 2026 to present the proposed remedial strategy at AP-2. Monitoring of corrective action piezometers continued during the 2025 annual reporting period to collect data supporting future corrective action. The groundwater analytical results from August 2025 corrective action piezometers are summarized in **Table 6**; the laboratory reports and field logs associated with these results are provided in **Appendix B**.

6.3 Annual Potable Well Survey

An updated potable well survey of potential groundwater wells within a two-mile radius of AP-2 was conducted in October 2025 and consisted of reviewing federal, state, county records, and online sources. Surveys conducted by Environmental Data Resources (EDR) are included in **Appendix E**. Additional federal, state, county records and online sources outside of the EDR survey were also reviewed. The Floyd County Health Department does not permit or regulate private wells, and therefore had no update to provide for the survey. The findings from the 2025 well survey are consistent with the 2024 well survey results.

7.0 CONCLUSIONS AND FUTURE ACTIONS

This *2025 Annual Groundwater Monitoring and Corrective Action Report* for Plant Hammond AP-2 was prepared to fulfill the requirements of the federal CCR Rule and GA EPD Rules for Solid Waste Management 391-3-4-.10. Statistical analyses of the groundwater monitoring data for AP-2 for the annual reporting period identified the continued presence of SSLs of cobalt in HGWC-18, MW-33, and MW-35. Based on statistical analysis of the most current groundwater quality, the SSLs are vertically and horizontally delineated to below the site specific GWPS.

A *Draft Remedy Selection Report*, which summarizes the evaluation and proposed selection of a corrective measure, or measures, was submitted to GA EPD on August 31, 2022 (Geosyntec, 2022). In June 2023 Georgia Power submitted to GA EPD both a Pilot Test Notification Form and separate workplans outlining the design and implementation of a pilot study in vicinity of HGWC-18 and vicinity of MW-33 and MW-35 (Geosyntec, 2023a, 2023b). GA EPD's UIC Program approved the Pilot Test Notification Forms on August 24, 2023. Pilot study injection activities were initiated in September 2023 and concluded during the current reporting period. Post-injection performance monitoring was completed in accordance with the *Pilot Study Workplans*. A comprehensive *Pilot Study Summary Report* was submitted to GA EPD on August 29, 2025, under separate cover and is attached herein (**Appendix D**) in which the pilot study results and design recommendations of the full-scale groundwater remedy are discussed. GA EPD issued a letter on October 30, 2025, concurring with the conclusions of the summary report. It is anticipated that Georgia Power will hold a public meeting in the first quarter of 2026 to present the proposed remedial strategy.

Georgia Power will continue to monitor AP-2 groundwater under the assessment monitoring program as aspects of the ACM program are implemented to address the Appendix IV SSLs. The next routine semiannual assessment monitoring event for AP- 2 is tentatively scheduled for February 2026.

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8.0 REFERENCES

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TABLES

Table 1
Monitoring Well Network Summary
Georgia Power Company
Plant Hammond - Ash Pond 2
Floyd County, GA

Well ID	Well Designation	Hydraulic Location	Northing[1]	Easting[1]	Ground Surface Elevation[1] (feet)	Top of Casing Elevation[1] (feet)	Top of Screen Elevation[1] (feet)	Bottom of Screen Elevation[1] (feet)	Total Well Depth from (Feet Below Top of Casing)[2]	Groundwater Zone Screened	Installation Date
HGWA-1	Detection	Upgradient	1550423.32	1940770.00	592.32	595.21	573.12	563.12	32.49	Bedrock	12/03/2014
HGWA-2	Detection	Upgradient	1549796.87	1939845.15	585.29	587.92	570.29	560.29	27.95	Overburden	12/02/2015
HGWA-3	Detection	Upgradient	1549794.41	1939833.39	585.23	587.74	553.23	543.23	44.51	PWR	12/02/2015
HGWA-4	Detection	Upgradient	1549930.45	1939385.45	584.94	587.60	572.24	562.24	25.76	Overburden	12/03/2014
HGWA-5	Detection	Upgradient	1548633.33	1937184.17	580.52	583.24	564.92	554.92	28.72	Overburden	12/10/2015
HGWA-6	Detection	Upgradient	1548636.35	1937177.73	580.72	583.38	543.72	533.72	49.66	PWR	12/11/2015
HGWA-42D	Detection	Upgradient	1549363.72	1938443.86	583.39	586.17	528.39	518.39	65.25	Bedrock	08/27/2020
HGWA-43D	Detection	Upgradient	1550422.85	1940753.80	592.08	595.08	544.08	534.08	61.25	Bedrock	08/26/2020
HGWA-44D	Detection	Upgradient	1550409.13	1940756.18	592.01	594.79	491.76	481.76	113.28	Bedrock	08/25/2020
HGWC-14	Detection	Downgradient	1547998.96	1938406.27	594.67	597.25	564.67	554.67	42.98	Overburden	10/16/2014
HGWC-15	Detection	Downgradient	1547875.33	1937854.92	578.73	581.49	553.93	543.93	37.96	Overburden	10/20/2014
HGWC-16	Detection	Downgradient	1548209.83	1937540.33	577.36	580.02	557.36	547.36	33.06	Overburden	10/21/2014
HGWC-17	Detection	Downgradient	1548449.71	1937538.98	581.51	584.30	566.91	556.91	27.79	Overburden/PWR	10/22/2014
HGWC-18	Detection	Downgradient	1548821.27	1937558.32	581.36	584.18	566.86	556.86	27.71	Overburden/PWR	10/22/2014
MW-21D	Assessment	Downgradient	1548814.86	1937555.78	581.16	583.84	542.36	532.36	51.88	Bedrock	11/19/2018
MW-22	Piezometer[4]	Downgradient	1547854.68	1937832.04	576.05	578.51	551.45	541.45	37.47	Overburden	11/15/2018
MW-23D	Piezometer[4]	Downgradient	1547876.55	1937843.89	579.06	581.30	529.46	519.46	62.24	Bedrock	11/15/2018
MW-33	Assessment	Downgradient	1547973.50	1938412.13	591.19	593.92	566.60	556.60	37.72	Overburden	11/21/2019
MW-34D	Assessment	Downgradient	1547996.82	1938392.20	593.83	596.51	530.48	520.48	73.68	Bedrock	05/06/2020
MW-35	Assessment	Downgradient	1547905.33	1938417.82	571.88	574.40	558.70	548.70	23.52	Overburden	05/13/2020
MW-37D	Piezometer[4]	Downgradient	1548803.01	1937551.05	580.95	583.58	514.65	504.65	76.63	Bedrock	05/08/2020
MW-51	Assessment	Downgradient	1547872.35	1938421.46	571.57	574.54	556.47	546.47	25.10	Overburden	07/22/2021
MW-8	Piezometer	Downgradient	1548171.86	1940016.70	584.25	586.93	565.05	555.05	32.28	Overburden	10/29/2014
MW-9	Piezometer	Downgradient	1548131.38	1938922.16	588.42	590.95	569.12	559.12	32.95	Overburden	10/29/2014
MW-12	Piezometer	Downgradient	1547853.78	1937525.46	580.59	583.27	555.84	545.84	37.83	Overburden	10/21/2014
MW-16	Piezometer	Upgradient	1549104.17	1937940.06	571.70	574.22	562.20	552.20	23.42	Bedrock	10/27/2014
MW-17	Piezometer	Upgradient	1549163.28	1938345.81	583.68	586.78	568.98	558.98	29.09	Overburden	10/28/2014
MW-18	Piezometer	Upgradient	1548984.15	1938712.73	589.75	592.28	571.05	561.05	32.42	Overburden	10/29/2014
MW-36D	Piezometer	Downgradient	1548435.43	1937538.19	581.44	584.10	534.12	524.12	57.65	Bedrock	05/07/2020
MW-52	Piezometer	Upgradient	1549277.59	1938398.82	583.25	586.11	573.29	563.29	23.15	Overburden	01/25/2022
MW-55[3]	Corrective Action Piezometer	Downgradient	1548823.40	1937575.72	582.78	582.49	566.72	556.72	26.10	PWR	06/13/2023
MW-56[3]	Corrective Action Piezometer	Downgradient	1547906.81	1938260.81	570.60	573.47	559.60	549.60	24.27	Overburden	06/16/2023
MW-57[3]	Corrective Action Piezometer	Downgradient	1547895.53	1938349.49	571.30	574.28	560.30	550.30	24.18	PWR	06/16/2023
MW-58[3]	Corrective Action Piezometer	Downgradient	1547931.46	1938592.55	572.96	575.87	559.46	549.46	26.81	Overburden/PWR	06/17/2023
MW-59[3]	Corrective Action Piezometer	Downgradient	1547971.14	1938344.65	589.52	592.20	559.52	549.52	42.58	Overburden	06/14/2023
INW-01[3]	Corrective Action Piezometer	Downgradient	1547921.52	1938350.62	571.04	573.90	561.04	551.04	23.26	Overburden	06/16/2023
INW-02[3]	Corrective Action Piezometer	Downgradient	1548915.00	1937643.89	580.78	580.56	555.78	545.78	35.40	Overburden	06/06/2023
PT-01[3]	Corrective Action Piezometer	Downgradient	1547916.85	1938348.81	571.14	574.13	561.24	551.24	23.29	Overburden	06/17/2023
PT-02[3]	Corrective Action Piezometer	Downgradient	1547917.68	1938353.52	571.10	574.06	561.10	551.10	23.36	Overburden	06/16/2023
PT-03[3]	Corrective Action Piezometer	Downgradient	1547910.57	1938352.13	571.10	574.09	559.10	549.10	23.39	Overburden	06/17/2023
PT-04[3]	Corrective Action Piezometer	Downgradient	1548918.26	1937641.91	580.50	580.26	556.70	546.70	34.21	PWR	06/06/2023
PT-05[3]	Corrective Action Piezometer	Downgradient	1548913.06	1937638.48	580.83	580.54	555.73	545.73	35.50	Overburden	06/12/2023
PT-06[3]	Corrective Action Piezometer	Downgradient	1548916.95	1937634.25	580.68	580.36	555.18	545.18	35.39	Overburden	06/07/2023

Notes:
PWR = partially weathered rock.
(1) Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Elevations referenced to the North American Vertical Datum of 1988 (NAVD88). Ground surface elevation measured at nail or known reference point on surface concrete pad.
Survey completed by GEL Solutions dated May 19, 2020 and April 11, 2022 (for MW-52), and July 17 and August 30, 2023 (for MW-55 through MW-59, INW-01, INW-02, PT-01 through PT-06).
Well screen elevations are calculated by subtracting the depths to top and bottom of the well screen from the ground surface elevation.
(2) Total well depth accounts for sump if data provided on well construction logs.
(3) Piezometers INW-01, INW-02, MW-55 through MW-59, and PT-01 through PT-06 were installed in support of an Assessment of Corrective Measures pre-design investigation and are not included in the monitoring well network.
(4) Assessment wells MW-22, MW-23D, and MW-37D were reclassified as piezometers following approval of the 5 Year Permit Review on May 28, 2025.

Table 2
Groundwater Sampling Event Summary
Georgia Power Company
Plant Hammond - Ash Pond 2
Floyd County, GA

Well ID	Hydraulic Location	Well Designation	February 12 2025 - March 06 2025[1]	August 05 2025 - August 08 2025
			Assessment Event	Assessment Event
Georgia Power Company - Plant Hammond Ash Pond 2				
HGWA-1	Upgradient	Detection	X	X
HGWA-2	Upgradient	Detection	X	X
HGWA-3	Upgradient	Detection	X	X
HGWA-4	Upgradient	Detection	X	X
HGWA-5	Upgradient	Detection	X	X
HGWA-6	Upgradient	Detection	X	X
HGWC-14	Downgradient	Detection	X	X
HGWC-15	Downgradient	Detection	X	X
HGWC-16	Downgradient	Detection	X	X
HGWC-17	Downgradient	Detection	X	X
HGWC-18	Downgradient	Detection	X	X
HGWA-42D	Upgradient	Detection	X	X
HGWA-43D	Upgradient	Detection	X	X
HGWA-44D	Upgradient	Detection	X	X
MW-21D	Downgradient	Assessment	X	X
MW-22	Downgradient	Assessment/Piezometer[2]	X	NA
MW-23D	Downgradient	Assessment/Piezometer[2]	X	NA
MW-33	Downgradient	Assessment	X	X
MW-34D	Downgradient	Assessment	X	X
MW-35[1]	Downgradient	Assessment	X	X
MW-37D	Downgradient	Assessment/Piezometer[2]	X	NA
MW-51[1]	Downgradient	Assessment	X	X

Notes:
X - Indicates well sampled during event
NA - Not applicable.
Assessment Event includes Appendix III and Appendix IV analytes.
(1) The main sampling event occurred between February 12 and February 18, 2025. Monitoring wells MW-35 and MW-51 were flooded in February 2025 and sampled on March 6, 2025, following well redevelopment.
(2) Assessment wells MW-22, MW-23D, and MW-37D were reclassified as piezometers following approval of the 5 Year Permit Review on May 28, 2025.

Table 3
Summary of Groundwater and Surface Water Elevations
Georgia Power Company
Plant Hammond - Ash Pond 2 Floyd County, GA

		February 2025		August 2025	
Well ID	Top of Casing Elevation (feet)[1]	Depth to Water (feet)	Groundwater Elevation (feet)[1]	Depth to Water (feet)	Groundwater Elevation (feet)[1]
HGWA-1	595.21	19.09	576.12	17.85	577.36
HGWA-2	587.92	14.30	573.62	13.47	574.45
HGWA-3	587.74	13.88	573.86	13.11	574.63
HGWA-4	587.60	10.22	577.38	9.32	578.28
HGWA-5	583.24	6.25	576.99	5.92	577.32
HGWA-6	583.38	5.95	577.43	5.59	577.79
HGWC-14	597.25	31.00	566.25	28.75	568.50
HGWC-15	581.49	18.64	562.85	16.25	565.24
HGWC-16	580.02	15.41	564.61	13.63	566.39
HGWC-17	584.30	20.93	563.37	20.27	564.03
HGWC-18	584.18	18.10	566.08	18.60	565.58
HGWA-42D	586.17	12.05	574.12	11.73	574.44
HGWA-43D	595.08	18.94	576.14	18.03	577.05
HGWA-44D	594.79	19.41	575.38	18.67	576.12
MW-21D	583.84	18.33	565.51	18.45	565.39
MW-33	593.92	28.10	565.82	25.65	568.27
MW-34D	596.51	33.40	563.11	30.05	566.46
MW-35	574.40	12.17	562.23	8.50	565.90
MW-51	574.54	12.38	562.16	8.85	565.69
INW-01	573.90	11.59	562.31	7.45	566.45
PT-01	574.13	11.83	562.30	7.85	566.28
INW-02	580.56	14.36	566.20	14.07	566.49
PT-02	574.06	11.76	562.30	8.15	565.91
PT-03	574.09	11.85	562.24	8.32	565.77
PT-04	580.26	14.05	566.21	13.95	566.31
PT-05	580.54	14.35	566.19	14.11	566.43
PT-06	580.36	14.19	566.17	14.25	566.11
MW-8	586.93	21.39	565.54	19.50	567.43
MW-9	590.95	19.55	571.40	15.35	575.60
MW-12	583.27	20.73	562.54	18.35	564.92
MW-16	574.22	6.77	567.45	6.88	567.34
MW-17	586.78	11.76	575.02	10.80	575.98
MW-18	592.28	18.18	574.10	13.50	578.78
MW-22	578.51	16.06	562.45	13.45	565.06
MW-23D	581.30	19.06	562.24	16.37	564.93
MW-36D	584.10	19.11	564.99	18.35	565.75
MW-37D	583.58	17.93	565.65	21.95	561.63
MW-52	586.11	11.31	574.80	10.80	575.31
MW-55	582.49	16.97	565.52	17.25	565.24
MW-56	573.47	11.22	562.25	7.71	565.76
MW-57	574.28	12.10	562.18	8.61	565.67
MW-58	575.87	13.17	562.70	9.52	566.35
MW-59	592.20	29.29	562.91	25.40	566.80
Coosa River[2]	--	--	561.20	--	564.80
Unnamed Creek[3]	580.14	16.67	563.47	15.12	565.02

Notes:
-- = not applicable
(1) Elevations shown are referenced to datum NAVD88, which indicates feet in elevation referenced to the North American Vertical Datum 1988.
(2) Coosa River staff gauge located approximatly 3,250 feet upstream of the confluence of the Unnamed Creek and the Coosa River.
(3) Unnamed Creek gauging point is located halfway across the service bridge located immediately west of AP-2 (Figure 3 and Figure 4).
Depth to water values presented are measured from the bridge to the waters surface.

Table 4
Horizontal Groundwater Gradient and Flow Velocity Calculations
Georgia Power Company
Plant Hammond Ash Pond 2
Floyd County, GA

Gauging Event	Well Pair	Groundwater Elevations in Well Pairs[1] (ft)		Change in Elevation (ft)	Distance Between Well 1 and Well 2 (L) (ft)	Hydraulic Gradient (i) (ft/ft)	Average Hydraulic Conductivity (K_h) (ft/day)	Estimated Effective Porosity (n_e)	Calculated Groundwater Flow Velocity (V) (ft/day)	Calculated Groundwater Flow Velocity (V) (ft/year)	Average Hydraulic Gradient (i) (ft/ft)	Calculated Average Groundwater Flow Velocity 2025 (V) (ft/day)
February 2025	MW-18 to HGWC-17	574.10	563.37	10.73	1,289	0.008	1.47	0.15	0.08	29.20	0.0085	0.085
August 2025	MW-18 to HGWC-16	578.78	566.39	12.39	1,417	0.009	1.47	0.15	0.09	32.85		

Notes:
ft = feet
ft/day = feet per day
ft/ft = feet per foot
ft/year = feet per year
K_h = Average horizontal hydraulic conductivity
Average horizontal hydraulic conductivity (K_h) of 1.47 feet per day (ft/day) was computed from slug test data derived from various well and piezometer locations across the AP-2.
n_e = effective porosity
V = groundwater flow velocity
Groundwater flow velocity equation: $V= (K_h * i)/n_e$
$i = h_1-h_2/L$ = horizontal hydraulic gradient (h_1 and h_2 = groundwater elevation at location 1 and 2)
L = distance between location 1 and 2 along the flow path. See Figure 3 and Figure 4 for illustrated flow path.
(1) Elevations shown are referenced to datum NAVD88, which indicates feet in elevation referenced to the North American Vertical Datum 1988.

Table 5
Summary of Assessment Monitoring Groundwater Analytical Data
Georgia Power Company
Plant Hammond - Ash Pond 2
Floyd County, GA

	Sample Location	HGWA-1	HGWA-1	HGWA-2	HGWA-2	HGWA-3	HGWA-3	HGWA-3	HGWA-4	HGWA-4	HGWA-4
	Sample Date	02/12/2025	08/05/2025	02/14/2025	08/05/2025	02/12/2025	02/14/2025	08/05/2025	02/12/2025	02/14/2025	08/05/2025
ANALYTE	UNITS										
APPENDIX III											
Boron	mg/L	0.021 J	0.019 J	0.053	0.044	0.011 J	NA	0.0090 J	0.023 J	NA	0.041
Calcium	mg/L	125	113	51.5	24.1	86.6	NA	72.6	21.5	NA	26.7
Chloride	mg/L	4.8	17.2	8.5	9.6	5.0	NA	5.5	1.4	NA	1.5
Fluoride	mg/L	0.10	0.055 J	0.10	< 0.050	0.073 J	NA	< 0.050	0.16	NA	0.12
pH, Field	SU	7.08	6.94	5.75	4.90	7.37	7.45	7.12	5.69	5.94	5.58
Sulfate	mg/L	43.8	57.6	94.5	74.0	28.0	NA	24.9	35.2	NA	46.3
TDS	mg/L	374	416	242	160	267	NA	265	128	NA	156
APPENDIX IV											
Antimony	mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	NA	< 0.00050	< 0.00050	NA	< 0.00050
Arsenic	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	NA	< 0.0012	< 0.0012	NA	< 0.0012
Barium	mg/L	0.034	0.033	0.057	0.053	0.13	NA	0.11	0.061	NA	0.060
Beryllium	mg/L	< 0.00015	< 0.00015	0.00023 J	0.00026 J	< 0.00015	NA	< 0.00015	0.00018 J	NA	< 0.00015
Cadmium	mg/L	< 0.00012	< 0.00012	0.00028 J	0.00022 J	< 0.00012	NA	< 0.00012	< 0.00012	NA	< 0.00012
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	NA	< 0.0012	< 0.0012	NA	< 0.0012
Cobalt	mg/L	< 0.0012	< 0.0012	0.030	0.030	< 0.0012	NA	< 0.0012	< 0.0012	NA	< 0.0012
Lead	mg/L	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	NA	0.00030 J	< 0.00025	NA	< 0.00025
Lithium	mg/L	0.00119 J	0.00116 J	0.00183 J	0.00260	0.00331 J	NA	0.00374	0.00126 J	NA	0.000902 J
Mercury	mg/L	< 0.00012	< 0.000091	< 0.00012	< 0.000091	< 0.00012	NA	< 0.000091	< 0.00012	NA	< 0.000091
Molybdenum	mg/L	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	NA	< 0.0025	< 0.0025	NA	< 0.0025
Combined Radium 226 + 228	pCi/L	0.624 U	0.226 U	1.20 U	0.278 U	NA	0.606 U	0.125 U	NA	1.83	0.537 U
Selenium	mg/L	< 0.0012	< 0.0012	0.0043 J	< 0.0012	< 0.0012	NA	< 0.0012	< 0.0012	NA	< 0.0012
Thallium	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	NA	< 0.00015	< 0.00015	NA	< 0.00015
Fluoride	mg/L	0.10	0.055 J	0.10	< 0.050	0.073 J	NA	< 0.050	0.16	NA	0.12
Additional Parameters											
Bicarbonate Alkalinity as CaCO3	mg/L	283	NA	58.3	NA	223	NA	NA	25.5	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	NA	< 5.0	NA	< 5.0	NA	NA	< 5.0	NA	NA
Total Alkalinity as CaCO3	mg/L	283	NA	58.3	NA	223	NA	NA	25.5	NA	NA
Iron	mg/L	0.023 J	NA	0.068	NA	0.91	NA	NA	0.093	NA	NA
Magnesium	mg/L	4.7	NA	5.0	NA	5.5	NA	NA	4.0	NA	NA
Manganese	mg/L	0.063	NA	0.84	NA	0.25	NA	NA	0.023 J	NA	NA
Potassium	mg/L	0.48 J	NA	1.5	NA	0.46 J	NA	NA	1.1	NA	NA
Sodium	mg/L	14.7	NA	12.5	NA	5.7	NA	NA	4.9	NA	NA
Sulfide	mg/L	< 0.022	NA	< 0.022	NA	< 0.022	NA	NA	< 0.022	NA	NA

Notes:
mg/L - milligrams per liter
NA - Indicates not analyzed
pCi/L - picocuries per liter
SU - Standard Units
TDS - Total Dissolved Solids
< indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the MDL, but below the laboratory reporting limit.
Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U.
The MDC varies depending upon the sample amount and elapsed time of the measurement.
Radium samples for HGWA-3 and HGWA-4 were omitted from original sample collection date on 2/12/2025 and were collected on 2/14/2025.

Table 5
Summary of Assessment Monitoring Groundwater Analytical Data
Georgia Power Company
Plant Hammond - Ash Pond 2
Floyd County, GA

	Sample Location	HGWA-5	HGWA-5	HGWA-6	HGWA-6	HGWC-14	HGWC-14	HGWC-15	HGWC-15	HGWC-16	HGWC-16	HGWC-17
	Sample Date	02/14/2025	08/05/2025	02/14/2025	08/05/2025	02/18/2025	08/08/2025	02/17/2025	08/08/2025	02/17/2025	08/08/2025	02/16/2025
ANALYTE	UNITS											
APPENDIX III												
Boron	mg/L	0.015 J	0.014 J	0.020 J	0.017 J	6.2	6.3	1.6	1.6	1.9	2.2	5.3
Calcium	mg/L	24.4	27.6	52.1	55.5	341	265	142	160	158	158	176
Chloride	mg/L	1.4	1.8	0.98 J	1.3	92.0	65.1	62.8	69.3	87.8	71.3	77.7
Fluoride	mg/L	< 0.050	0.054 J	< 0.050	0.064 J	0.055 J	0.080 J	0.052 J	0.12	< 0.050	0.051 J	0.050 J
pH, Field	SU	6.52	6.42	7.60	7.47	4.81	4.65	6.53	6.59	7.36	7.11	6.47
Sulfate	mg/L	18.2	19.1	30.8	33.4	790	683	277	255	200	185	224
TDS	mg/L	126	143	225	237	1600	1350	764	810	768	728	670
APPENDIX IV												
Antimony	mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	0.00052 J	0.00056 J	0.00071 J	< 0.00050	< 0.00050	< 0.00050
Arsenic	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0017 J	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Barium	mg/L	0.049	0.044	0.19	0.18	0.016	0.017	0.017	0.012	0.098	0.087	0.030
Beryllium	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	0.00038 J	0.00039 J	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
Cadmium	mg/L	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	0.00083	0.00031 J	< 0.00012	< 0.00012	0.00015 J
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.031	0.028	0.0070	0.0019 J	< 0.0012	< 0.0012	< 0.0012
Lead	mg/L	< 0.00025	< 0.00025	< 0.00025	< 0.00025	0.00097 J	0.0017	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025
Lithium	mg/L	0.00335 J	0.00366	0.0115 J	0.0114	0.000675 J	0.000780 J	0.0146 J	0.00586	0.00272 J	0.00312	0.00123 J
Mercury	mg/L	< 0.00012	< 0.000091	< 0.00012	< 0.000091	< 0.00012	< 0.000091	< 0.00012	< 0.000091	< 0.00012	< 0.000091	< 0.00012
Molybdenum	mg/L	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Combined Radium 226 + 228	pCi/L	1.30 U	0.733 U	0.159 U	0.310 U	0.685 U	0.803 U	0.191 U	0.337 U	0.825 U	0.638 U	1.24 U
Selenium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0096	0.0035 J	< 0.0012	< 0.0012	0.0015 J	0.0015 J	0.0020 J
Thallium	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	0.00029 J	0.00027 J	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
Fluoride	mg/L	< 0.050	0.054 J	< 0.050	0.064 J	0.055 J	0.080 J	0.052 J	0.12	< 0.050	0.051 J	0.050 J
Additional Parameters												
Bicarbonate Alkalinity as CaCO3	mg/L	83.4	NA	161	NA	< 5.0	NA	137	NA	199	NA	176
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0
Total Alkalinity as CaCO3	mg/L	83.4	NA	161	NA	< 5.0	NA	137	NA	199	NA	176
Iron	mg/L	2.2	NA	0.45	NA	0.63	NA	0.017 J	NA	1.5	NA	0.088
Magnesium	mg/L	5.1	NA	9.3	NA	29.3	NA	22.0	NA	12.5	NA	17.6
Manganese	mg/L	0.068	NA	0.075	NA	3.5	NA	11.3	NA	0.058	NA	0.54 J
Potassium	mg/L	0.68	NA	0.58	NA	10.2	NA	0.82	NA	0.70	NA	2.0
Sodium	mg/L	6.9	NA	7.4	NA	8.1	NA	9.0	NA	8.5	NA	11.8
Sulfide	mg/L	< 0.022	NA	< 0.022	NA	< 0.022	NA	< 0.022	NA	< 0.022	NA	< 0.022

Table 5
Summary of Assessment Monitoring Groundwater Analytical Data
Georgia Power Company
Plant Hammond - Ash Pond 2
Floyd County, GA

	Sample Location	HGWC-17	HGWC-18	HGWC-18	HGWA-42D	HGWA-42D	HGWA-43D	HGWA-43D	HGWA-44D	HGWA-44D	MW-21D	MW-21D
	Sample Date	08/08/2025	02/18/2025	08/08/2025	02/14/2025	08/05/2025	02/12/2025	08/05/2025	02/12/2025	08/05/2025	02/18/2025	08/08/2025
ANALYTE	UNITS											
APPENDIX III												
Boron	mg/L	6.1	2.4	4.0	0.059	0.050	0.040 J	0.039 J	0.54	0.45	1.7	1.7
Calcium	mg/L	190	109	147	46.5	42.8	61.8	55.2	7.2	6.0	77.4	66.9
Chloride	mg/L	81.3	44.7	50.7	3.1	3.1	3.8	4.0	30.7	29.7	30.1	20.9
Fluoride	mg/L	0.083 J	0.067 J	0.20	0.073 J	0.11	0.21	0.16	1.1	0.87	< 0.050	0.061 J
pH, Field	SU	6.42	5.00	4.72	7.79	7.42	7.50	7.42	8.49	8.46	7.61	7.29
Sulfate	mg/L	271	289	350	11.6	10.8	25.2	22.4	0.51 J	0.85 J	121	81.3
TDS	mg/L	880	598	710	192	182	273	282	363	370	419	342
APPENDIX IV												
Antimony	mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Arsenic	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0014 J	< 0.0012	< 0.0012	< 0.0012
Barium	mg/L	0.027	0.016	0.017	0.23	0.19	0.30	0.27	0.095	0.092	0.045	0.040
Beryllium	mg/L	< 0.00015	0.0015	0.0017	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
Cadmium	mg/L	< 0.00012	0.00056	0.00084	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	0.0044 J	0.061	0.070	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Lead	mg/L	< 0.00025	0.00038 J	0.00048 J	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025
Lithium	mg/L	0.00146 J	0.00876 J	0.00964	0.0118 J	0.0113	0.00266 J	0.00308	0.101	0.104	0.0119 J	0.00994
Mercury	mg/L	< 0.000091	< 0.00012	< 0.000091	< 0.00012	< 0.000091	< 0.00012	< 0.000091	< 0.00012	< 0.000091	< 0.00012	< 0.000091
Molybdenum	mg/L	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	0.0098 J	0.011
Combined Radium 226 + 228	pCi/L	0 U	1.56 U	0.479 U	0.300 U	0.585 U	0.624 U	0.994 U	0.622 U	0.255 U	0.925 U	0.483 U
Selenium	mg/L	0.0014 J	0.0054	0.0026 J	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Thallium	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
Fluoride	mg/L	0.083 J	0.067 J	0.20	0.073 J	0.11	0.21	0.16	1.1	0.87	< 0.050	0.061 J
Additional Parameters												
Bicarbonate Alkalinity as CaCO3	mg/L	NA	< 5.0	NA	150	NA	237	NA	294	NA	135	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA
Total Alkalinity as CaCO3	mg/L	NA	< 5.0	NA	150	NA	237	NA	294	NA	135	NA
Iron	mg/L	NA	0.10	NA	0.52	NA	0.27	NA	0.19	NA	3.0	NA
Magnesium	mg/L	NA	11.5	NA	7.2	NA	19.3	NA	3.5	NA	13.7	NA
Manganese	mg/L	NA	2.0	NA	0.031 J	NA	0.015 J	NA	0.0058 J	NA	0.21	NA
Potassium	mg/L	NA	5.3	NA	0.40 J	NA	0.86	NA	2.3 J	NA	0.63	NA
Sodium	mg/L	NA	8.7	NA	9.1	NA	19.8	NA	141	NA	7.0	NA
Sulfide	mg/L	NA	< 0.022	NA	< 0.022	NA	0.025 J	NA	0.10	NA	< 0.022	NA

Table 5
Summary of Assessment Monitoring Groundwater Analytical Data
Georgia Power Company
Plant Hammond - Ash Pond 2
Floyd County, GA

	Sample Location	MW-33	MW-33	MW-34D	MW-34D	MW-35	MW-35	MW-51	MW-51	MW-22	MW-23D	MW-37D
	Sample Date	02/16/2025	08/08/2025	02/18/2025	08/08/2025	03/06/2025	08/08/2025	03/06/2025	08/08/2025	02/18/2025	02/17/2025	02/17/2025
ANALYTE	UNITS											
APPENDIX III												
Boron	mg/L	4.6	7.0	5.7	6.8	9.4	7.4	8.7	7.3	2.0	2.4	0.052
Calcium	mg/L	238	313	287	352	476	345	414	331	146	215	40.2
Chloride	mg/L	38.6	79.6	215	141	141	102	87.5	82.5	93.6	105	3.2
Fluoride	mg/L	0.089 J	0.20	< 0.050	0.087 J	0.066 J	0.18	0.078 J	0.13	< 0.050	< 0.050	< 0.050
pH, Field	SU	4.88	4.70	7.20	6.98	5.57	5.91	5.90	5.95	5.58	6.97	7.94
Sulfate	mg/L	578	770	620	651	942	760	832	740	370	321	19.1
TDS	mg/L	1060	1540	1630	1700	2060	1480	1750	1600	830	1070	217
APPENDIX IV												
Antimony	mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Arsenic	mg/L	0.0021 J	0.0013 J	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Barium	mg/L	0.016	0.017	0.030	0.024	0.024	0.025	0.024	0.020	0.013	0.035	0.15
Beryllium	mg/L	0.00048 J	0.00063	< 0.00015	< 0.00015	0.00033 J	0.00020 J	0.00041 J	0.00033 J	< 0.00015	< 0.00015	< 0.00015
Cadmium	mg/L	0.00015 J	0.00020 J	0.0022	0.00059	0.0014	0.00076	0.0013	0.00065	0.0016	0.00015 J	< 0.00012
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	0.029	0.041	0.0035 J	0.0049 J	0.082	0.048	0.014	0.022	0.025	< 0.0012	< 0.0012
Lead	mg/L	0.00041 J	0.00099 J	< 0.00025	< 0.00025	0.00035 J	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025
Lithium	mg/L	0.000839 J	0.000612 J	0.00230 J	0.00123 J	0.00319 J	0.00191 J	0.00184 J	0.00177 J	0.00119 J	0.00197 J	0.0216 J
Mercury	mg/L	< 0.00012	< 0.000091	< 0.00012	< 0.000091	0.00035	< 0.000091	< 0.000091	< 0.000091	< 0.00012	< 0.00012	< 0.00012
Molybdenum	mg/L	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	0.0039 J	< 0.0025
Combined Radium 226 + 228	pCi/L	1.11 U	1.20 U	0.911 U	0.471 U	1.17 U	1.47	0.605 U	1.28 U	0.976 U	0.243 U	0.656 U
Selenium	mg/L	0.010	0.0062	0.0049 J	0.0032 J	0.0064	0.0057	0.0068	0.0036 J	0.0015 J	0.0014 J	< 0.0012
Thallium	mg/L	< 0.00015	0.00023 J	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
Fluoride	mg/L	0.089 J	0.20	< 0.050	0.087 J	0.066 J	0.18	0.078 J	0.13	< 0.050	< 0.050	< 0.050
Additional Parameters												
Bicarbonate Alkalinity as CaCO3	mg/L	9.7	NA	118	NA	11.3	NA	68.4	NA	33.9	234	161
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	< 5.0	< 5.0
Total Alkalinity as CaCO3	mg/L	9.7	NA	118	NA	11.3	NA	68.4	NA	33.9	234	161
Iron	mg/L	0.027 J	NA	0.20	NA	9.6	NA	0.12	NA	0.084	0.060	0.23
Magnesium	mg/L	21.1	NA	34.9	NA	67.7	NA	42.9	NA	29.8	22.7	8.7
Manganese	mg/L	3.2	NA	2.4	NA	10	NA	5.1	NA	14.2	4.6	0.018 J
Potassium	mg/L	8.3	NA	5.5	NA	7.2	NA	8.0	NA	0.68	1.5	0.54
Sodium	mg/L	11.5	NA	11.3	NA	16.2	NA	10.9	NA	11.3	10.6	8.8
Sulfide	mg/L	< 0.022	NA	< 0.022	NA	< 0.022	NA	< 0.022	NA	< 0.022	< 0.022	0.037 J

Table 6
Summary of Corrective Action Piezometer Groundwater Analytical Data
Georgia Power Company
Plant Hammond - Ash Pond 2
Floyd County, GA

Sample Location		PT-01	PT-02	PT-03	PT-04	PT-05	PT-06	MW-55	MW-56	MW-57	MW-58	MW-59
Sample Date		08/11/2025	08/11/2025	08/11/2025	08/12/2025	08/12/2025	08/12/2025	08/12/2025	08/11/2025	08/11/2025	08/11/2025	08/12/2025
ANALYTE	UNITS											
APPENDIX III												
Boron	mg/L	1.5	4.2	5.4	5.0	5.2	5.1	3.2	6.7	4.7	1.8	7.4
pH, Field	SU	6.31	6.27	4.97	6.67	6.82	6.62	6.30	4.92	5.92	5.83	4.15
APPENDIX IV												
Cobalt	mg/L	0.0033 J	0.017	0.060	0.032	0.013	0.022	0.027	0.094	0.042	0.017	0.10
Additional Parameters												
Bicarbonate Alkalinity as CaCO3	mg/L	67.2	72.2	7.5	244	347	270	143	9.3	75.0	83.5	< 5.0
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Alkalinity as CaCO3	mg/L	67.2	72.2	7.5	244	347	270	143	9.3	75.0	83.5	< 5.0
Sodium	mg/L	9.4	38.3	25.3	43.0	135	71.3	22.6	8.3	16.7	7.5	11.8

Notes:
mg/L - milligrams per liter
SU - Standard Units
< indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
J - The result is an estimated concentration. “J” qualifiers are applied by the laboratory when the concentration reported is above the MDL, but below the laboratory reporting limit.

Table 7
Summary of Surface Water Analytical Data
Georgia Power Company
Plant Hammond - Ash Pond 2
Floyd County, GA

Sample Location		H+0.25	H+0.25	H+0.35	H+0.35	H+0.75	H+0.75	AP2 Down	AP2 Down	AP2 Up	AP2 Up	AP2 Mid	AP2 Mid
Sample Date		02/17/2025	08/04/2025	02/17/2025	08/04/2025	02/17/2025	08/04/2025	02/17/2025	08/04/2025	02/17/2025	08/04/2025	02/17/2025	08/04/2025
ANALYTE	UNITS												
APPENDIX III													
Boron	mg/L	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Calcium	mg/L	11.9	18.0	11.9	18.4	12.1	18.9	13.1	19.3	15.3	39.8	15.6	39.6
Chloride	mg/L	2.9	4.7	3.0	4.8	3.0	4.8	1.1	4.9	< 1.0	1.3	< 1.0	1.5
Fluoride	mg/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
pH, Field	SU	7.18	7.53	7.23	7.54	7.43	7.55	6.97	7.56	6.98	7.55	7.01	7.57
Sulfate	mg/L	4.4	5.6	4.6	5.9	4.9	7.2	5.1	7.0	4.5	7.1	5.6	10.8
TDS	mg/L	82.0	86.0	78.0	98.0	77.0	99.0	60.0	102	74.0	142	67.0	133
APPENDIX IV													
Cobalt	mg/L	0.0011	< 0.0050	0.0013	< 0.0050	0.0011	< 0.0050	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.0010	< 0.0050
Fluoride	mg/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Molybdenum	mg/L	< 0.0010	< 0.010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Additional Parameters													
Alkalinity Total as CaCO3	mg/L	35.1	NA	35.9	NA	35.4	NA	34.7	NA	42.2	NA	40.1	NA
Bicarbonate Alkalinity as CaCO3	mg/L	35.1	NA	35.9	NA	35.4	NA	34.7	NA	42.2	NA	40.1	NA
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA
Magnesium	mg/L	2.9	NA	2.9	NA	3.0	NA	1.9	NA	1.8	NA	2.0	NA
Potassium	mg/L	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA
Sodium	mg/L	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA	< 5.0	NA

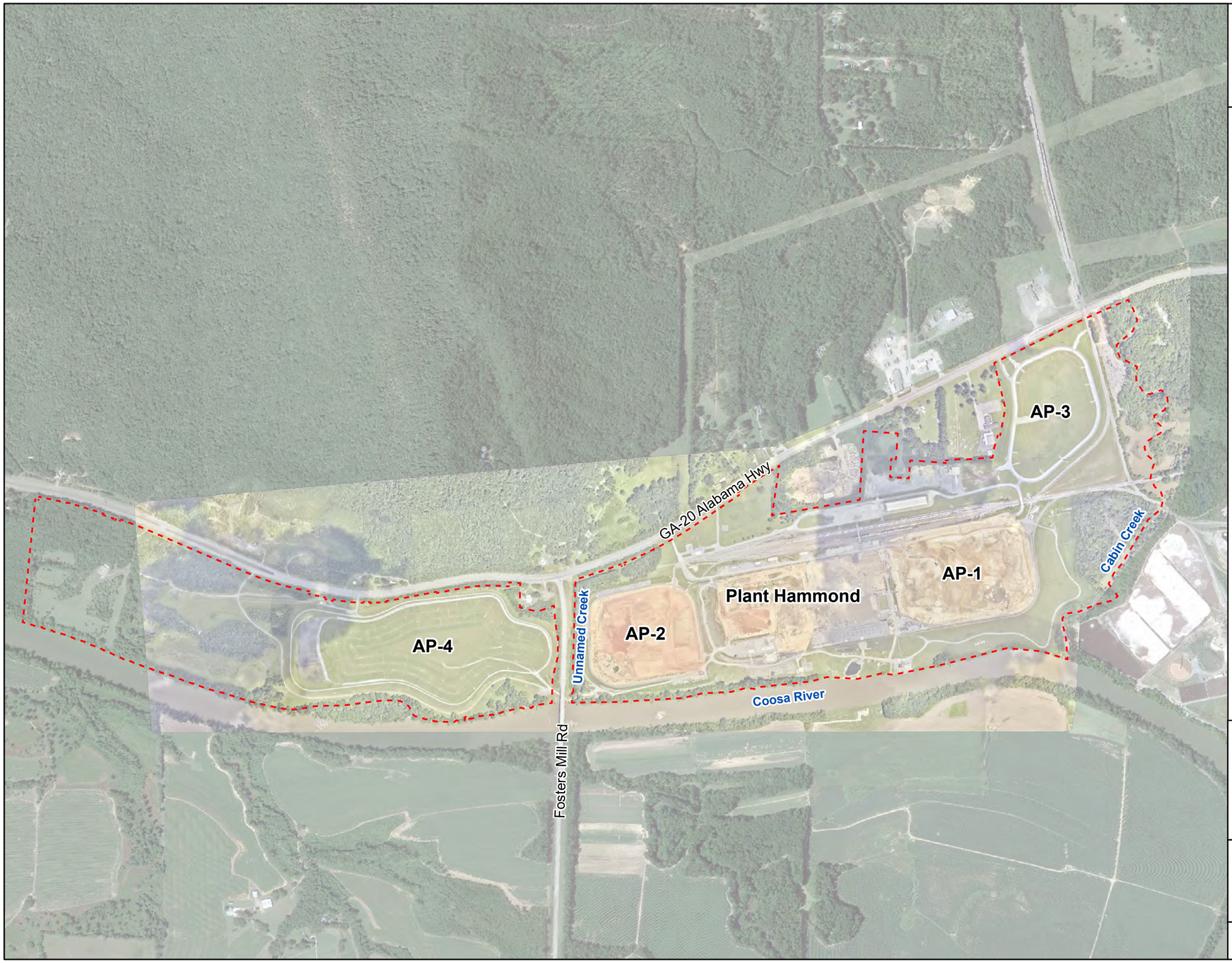
Notes:
mg/L - milligrams per liter
NA - Indicates not analyzed
SU - Standard Units
TDS - Total Dissolved Solids
< indicates the substance was not detected above the reporting limit (RL).
(1) Refer to Figure 2 for locations.

Table 8
Summary of Background Concentrations and Groundwater Protection Standards
Georgia Power Company
Plant Hammond Ash Pond 2
Floyd County, GA

Analyte	Units	MCL	Federal CCR Rules Specified GWPS[1]	Background[2]	GWPS[3,4]
Antimony	mg/L	0.006	N/A	0.003	0.006
Arsenic	mg/L	0.01	N/A	0.005, 0.0036	0.01
Barium	mg/L	2	N/A	0.46	2
Beryllium	mg/L	0.004	N/A	0.0005, 0.0004	0.004
Cadmium	mg/L	0.005	N/A	0.0005	0.005
Chromium	mg/L	0.1	N/A	0.019	0.1
Cobalt	mg/L	N/A	0.006	0.038	0.038
Combined Radium 226 + 228	pCi/L	5	N/A	1.58, 1.55	5
Fluoride	mg/L	4	N/A	1.5	4
Lead	mg/L	N/A	0.015	0.001	0.015
Lithium	mg/L	N/A	0.04	0.064	0.064
Mercury	mg/L	0.002	N/A	0.0002	0.002
Molybdenum	mg/L	N/A	0.1	0.01	0.1
Selenium	mg/L	0.05	N/A	0.005	0.05
Thallium	mg/L	0.002	N/A	0.001, 0.0005	0.002

Notes:
CCR = Coal Cumbustion Residuals
EPA = Environmental Protection Agency
GWPS = Groundwater Protection Standard
MCL = Maximum Contaminant Level
mg/L = miligrams per liter
N/A = Not Applicable
pCi/L = picocuries per liter
(1) On February 22, 2022, the Georgia Environmental Protection Division (GA EPD) adopted the federally promulgated GWPS for cobalt, lithium, lead, and molybdenum.
(2) The background limits were used when determining the GWPS under 40 CFR 257.95(h) and GA EPD Rule 391-3-4-.10(6)(a). A cell with two values denotes that different background concentrations were calculated per semiannual event, presented in the order of the events (February 2025, August 2025).
(3) Under 40 CFR 257.95(h)(1-3) the GWPS is: (i) the maximum contaminant level (MCL) established under §§141.62 and 141.66 of this title; (ii) where an MCL has not been established a rule-specific GWPS; or (iii) background levels for constituents where the background level is higher than the MCL or rule-specified GWPS.
(4) The GWPS apply to the February 2025 and August 2025 sampling events.

FIGURES



N

LEGEND

Plant Hammond Property Boundary



Note:
1. Aerial photograph source: Google Earth Pro August 2019 and Georgia Power Company, June 2025.

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SCALE IN FEET

SITE LOCATION MAP

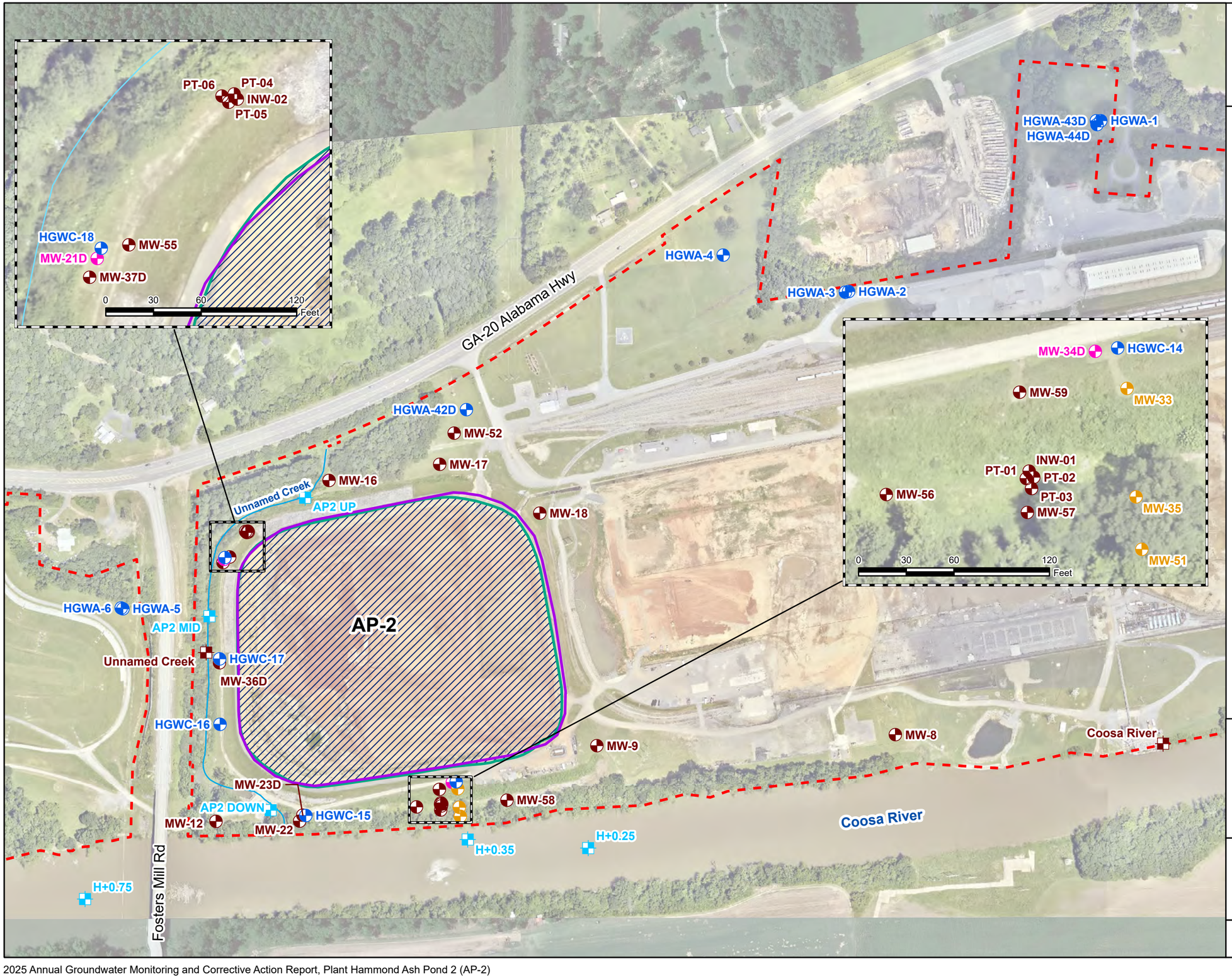
GEORGIA POWER COMPANY
PLANT HAMMOND AP-2
ROME, FLOYD COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

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FIGURE 1



N

LEGEND

- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well
- Piezometer
- Surface Water Level Gauge Point
- Surface Water Sample Point
- Creek
- Approximate AP-2 Boundary
- Area where ash removal was certified complete by GA EPD (December 23, 2024)
- Plant Hammond Property Boundary

Notes:
1. Piezometers INW-01, INW-02, MW-55 through MW-59, and PT-01 through PT-06 were installed in support of an Assessment of Corrective Measures pre-design investigation and are not included in the monitoring well network.
2. Vertical Assessment Monitoring Wells MW-23D and MW-37D, and Horizontal Assessment Monitoring Well MW-22, were reclassified as Piezometers after the 2025 semiannual groundwater monitoring event.
3. Aerial photograph source: Google Earth Pro August 2019 and Georgia Power Company, June 2025.

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SCALE IN FEET

MONITORING WELL NETWORK AND SAMPLING LOCATION MAP

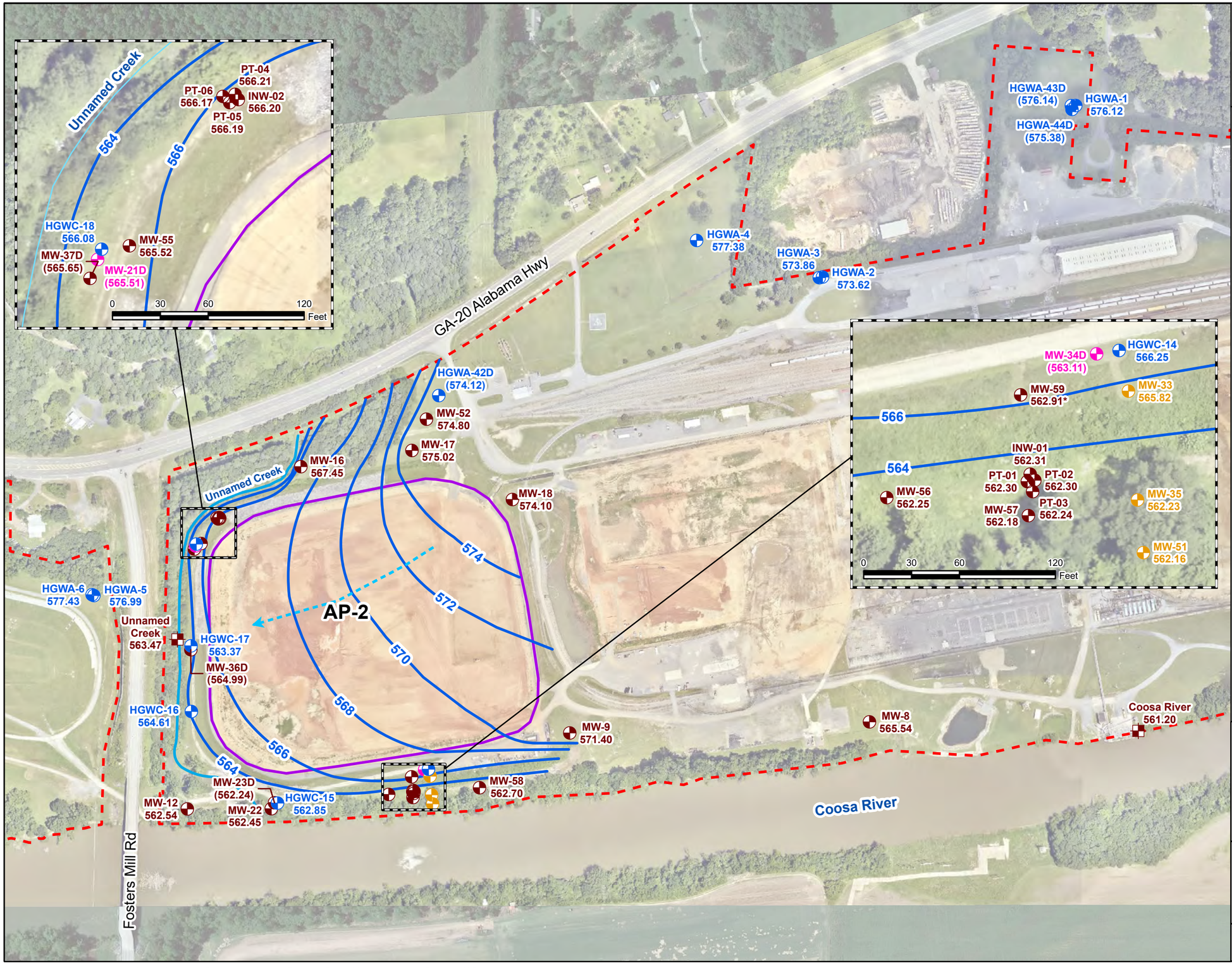
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ROME, FLOYD COUNTY, GEORGIA

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Prepared By: Geosyntec consultants

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FIGURE 2



N

LEGEND

- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well
- Piezometer
- Surface Water Level Gauge Point
- Groundwater Elevation Contour
- Approximate Groundwater Flow Direction
- Creek
- Approximate AP-2 Boundary
- Plant Hammond Property Boundary

GEORGIA REGISTERED No. PE036540 PROFESSIONAL ENGINEER WHITNEY B. LAW

Notes:
1. Water level elevation recorded on February 10, 2025. Elevation provided in feet (ft) referenced to the North American Vertical Datum of 1988 (NAVD 88).
2. Groundwater elevations in parentheses were not used to make the groundwater contours because these wells are screened at a different elevation in the formation/aquifer.
3. Wells marked with an * were not used to make groundwater contours due to potential erroneous readings.
4. Vertical Assessment Monitoring Wells MW-23D and MW-37D, and Horizontal Assessment Monitoring Well MW-22, were reclassified as Piezometers after the February2025 semiannual groundwater monitoring event.
5. Aerial photograph source: Google Earth Pro August 2019 and Georgia Power Company, June 2025.

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SCALE IN FEET

POTENTIOMETRIC SURFACE CONTOUR MAP - FEBRUARY 2025

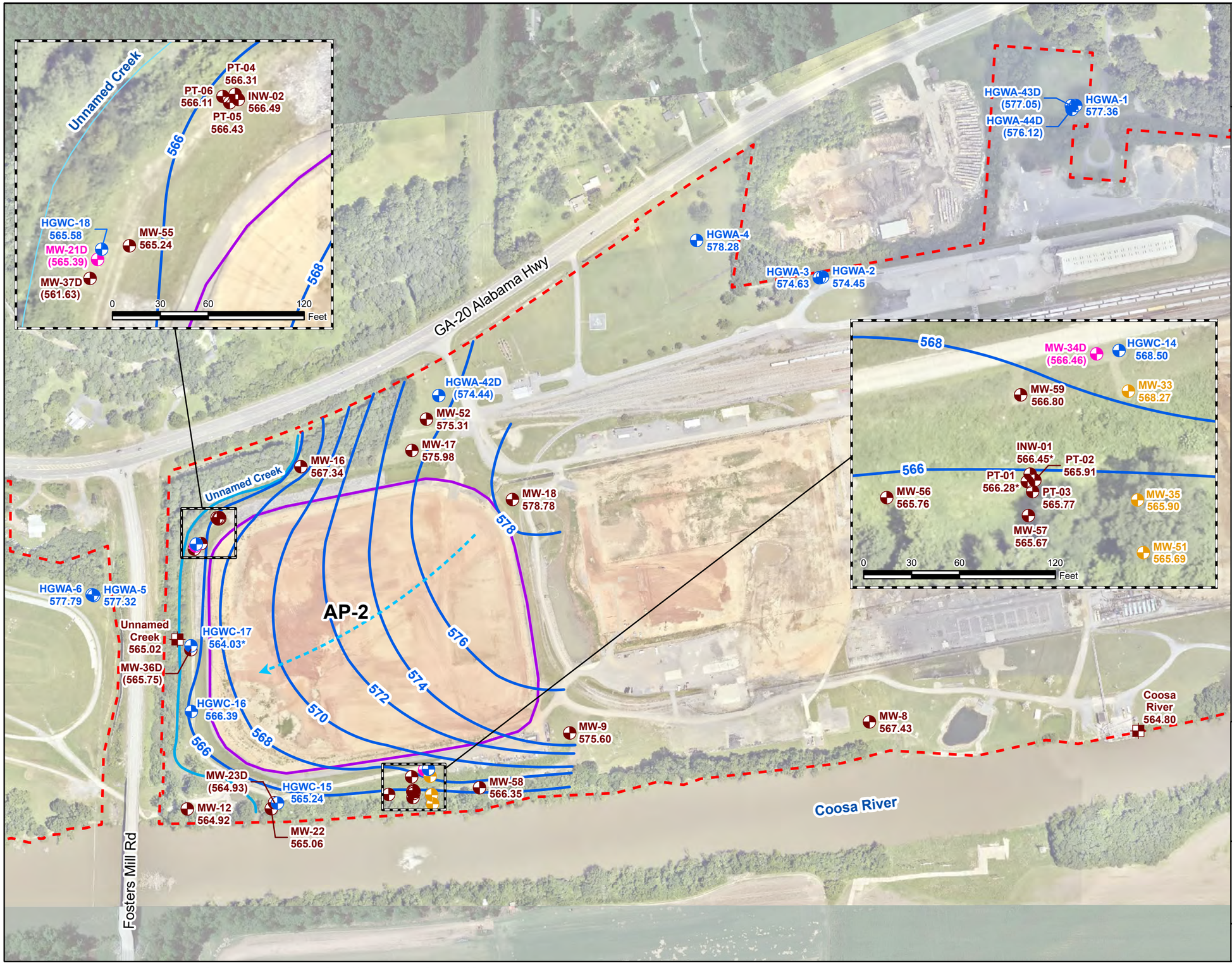
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PLANT HAMMOND AP-2
ROME, FLOYD COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

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FIGURE 3



N

LEGEND

- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well
- Piezometer
- Surface Water Level Gauge Point
- Groundwater Elevation Contour
- Approximate Groundwater Flow Direction
- Creek
- Approximate AP-2 Boundary
- Plant Hammond Property Boundary

GEORGIA REGISTERED No. PE036540 PROFESSIONAL ENGINEER WHITNEY B. LAW

Notes:
1. Water level elevation recorded on August 4, 2025. Elevation provided in feet (ft) referenced to the North American Vertical Datum of 1988 (NAVD 88).
2. Groundwater elevations in parentheses were not used to make the groundwater contours because these wells are screened at a different elevation in the formation/aquifer.
3. Wells marked with an * were not used to make groundwater contours due to potential erroneous readings.
4. Vertical Assessment Monitoring Wells MW-23D and MW-37D, and Horizontal Assessment Monitoring Well MW-22, were reclassified as Piezometers after the February 2025 semiannual groundwater monitoring event.
5. Aerial photograph source: Google Earth Pro August 2019 and Georgia Power Company, June 2025.

0 175 350 700

SCALE IN FEET

POTENTIOMETRIC SURFACE CONTOUR MAP - AUGUST 2025

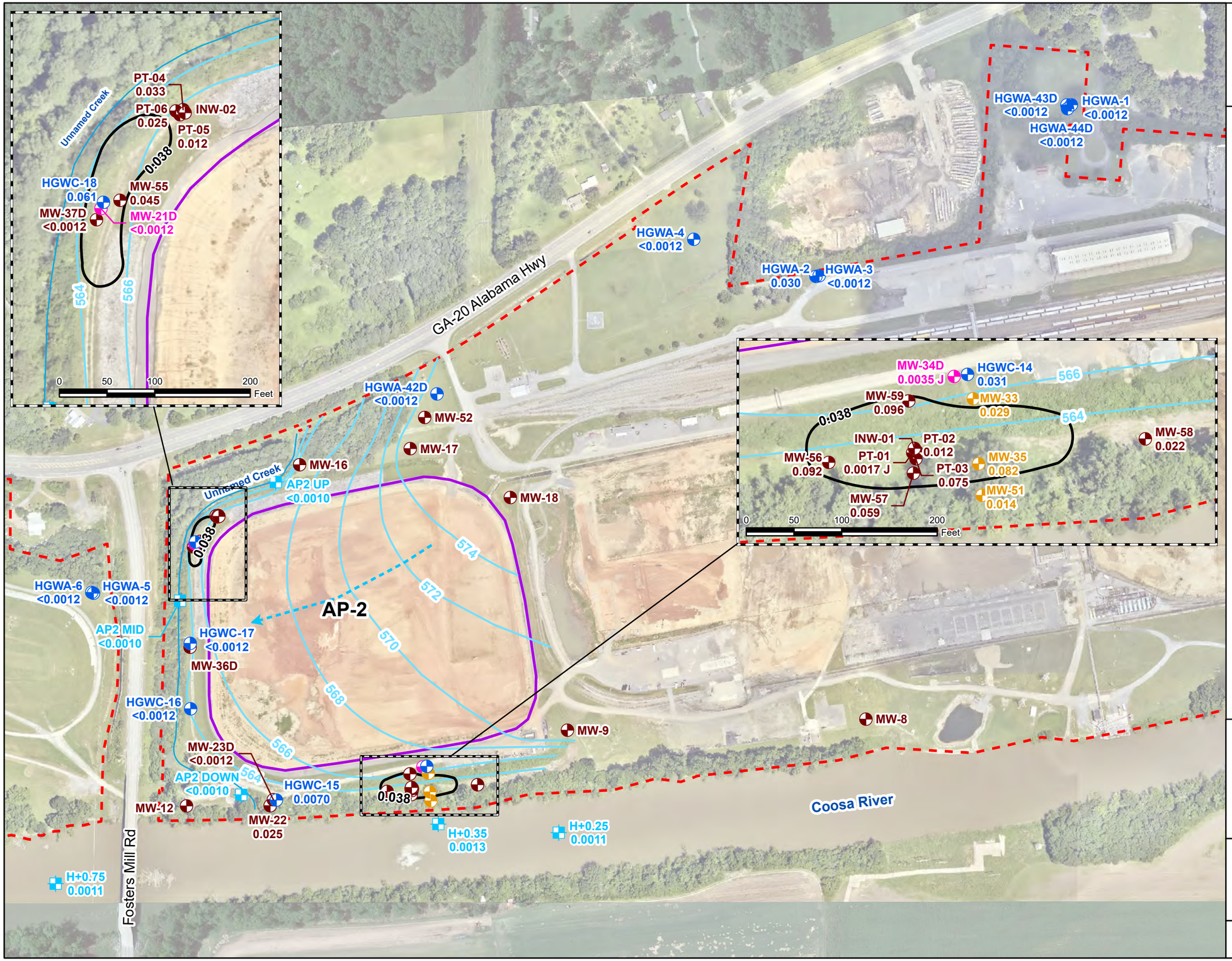
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PLANT HAMMOND AP-2
ROME, FLOYD COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

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FIGURE 4



N

LEGEND

- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well
- Piezometer
- Surface Water Sample Point
- GWPS Cobalt Iso-Concentration Contour (mg/L)
- Groundwater Elevation Contour
- Approximate Groundwater Flow Direction
- Creek
- Approximate AP-2 Boundary
- Plant Hammond Property Boundary

Notes:
1. Concentration data from groundwater samples collected during the February/March 2025 semiannual monitoring event. Data reported for wells screened deeper in the aquifer were not used to generate the iso-concentration contour (HGWA-42D, HGWA-43D, HGWA-44D, MW-21D, MW-23D, MW-34D, MW-37D). Concentrations are reported in mg/L.
2. Water level elevation recorded on February 10, 2025. Elevation provided in feet (ft) referenced to the North American Vertical Datum (NAVD) 88.
3. The Groundwater Protection Standard (GWPS) for cobalt is 0.038 mg/L.
4. Piezometers may be sampled as needed for constituent specific site characterization.
5. J - The result is an estimated concentration. “J” qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.
6. Vertical Assessment Monitoring Wells MW-23D and MW-37D, and Horizontal Assessment Monitoring Well MW-22, were reclassified as Piezometers after the February 2025 semiannual groundwater monitoring event.
7. Aerial photograph source: Google Earth Pro August 2019 and Georgia Power Company, June 2025.

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SCALE IN FEET

ISO-CONCENTRATION MAP COBALT - FEBRUARY/MARCH 2025

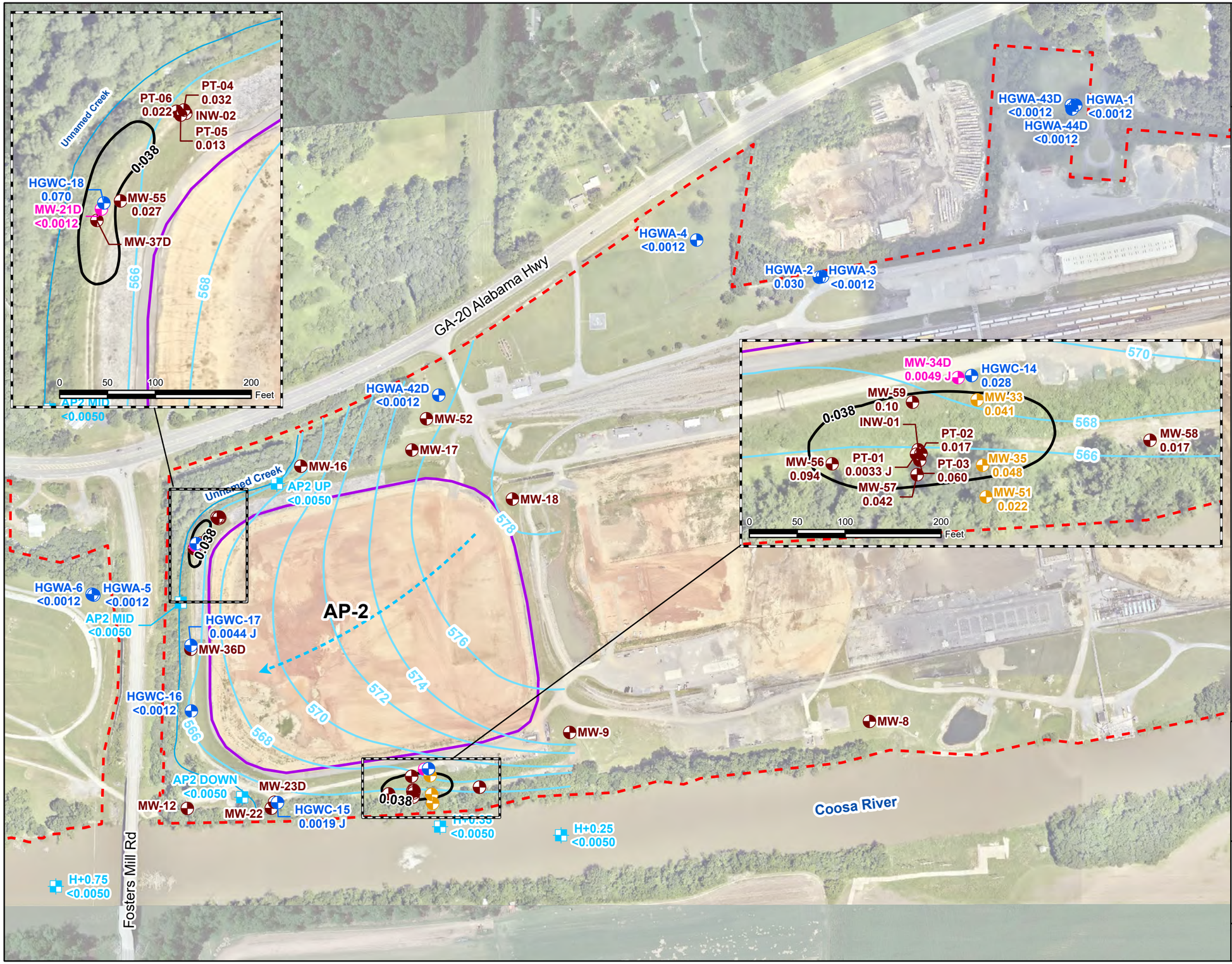
GEORGIA POWER COMPANY
PLANT HAMMOND AP-2
ROME, FLOYD COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

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FIGURE 5



LEGEND

- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well
- Piezometer
- Surface Water Sample Point
- GWPS Cobalt Iso-Concentration Contour (mg/L)
- Groundwater Elevation Contour
- Approximate Groundwater Flow Direction
- Creek
- Approximate AP-2 Boundary
- Plant Hammond Property Boundary

Notes:
1. Concentration data from groundwater samples collected during the August 2025 annual monitoring event. Data reported for wells screened deeper in the aquifer were not used to generate the iso-concentration contour (HGWA-42D, HGWA-43D, HGWA-44D, MW-21D, MW-23D, MW-34D, MW-37D). Concentrations are reported in mg/L.
2. Water level elevation recorded on August 4, 2025. Elevation provided in feet (ft) referenced to the North American Vertical Datum (NAVD) 88.
3. The Groundwater Protection Standard (GWPS) for cobalt is 0.038 mg/L.
4. Piezometers may be sampled as needed for constituent specific site characterization.
5. J - The result is an estimated concentration. “J” qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.
6. Vertical Assessment Monitoring Wells MW-23D and MW-37D, and Horizontal Assessment Monitoring Well MW-22, were reclassified as Piezometers after the February 2025 semiannual groundwater monitoring event.
7. Aerial photograph source: Google Earth Pro August 2019 and Georgia Power Company, June 2025.

0 175 350 700

SCALE IN FEET

ISO-CONCENTRATION MAP COBALT - AUGUST 2025

GEORGIA POWER COMPANY
PLANT HAMMOND AP-2
ROME, FLOYD COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

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FIGURE 6

APPENDIX A

Well Maintenance and Repair Documentation Memoranda

FEBRUARY 2025

Geosyntec consultants

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Kennesaw, Georgia 30144
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www.geosyntec.com

MEMORANDUM

DATE: May 10, 2025

TO: Kristen Jurinko, P.G., Southern Company Services, Inc.

CC: Ben Hodges, P.G. Georgia Power Company

FROM: Geosyntec Consultants

SUBJECT: **Plant Hammond Ash Pond 2 (AP-2) – Well Maintenance and Repair Documentation, Georgia Power Company**

Geosyntec Consultants has prepared this memorandum to provide documentation of groundwater monitoring well maintenance and/or repair performed at Plant Hammond Ash Pond 2 (AP-2) during the February 2025 sampling event. All repairs and maintenance were completed in accordance with the Georgia Environmental Protection Division (GA EPD) guidance on routine visual inspections of groundwater monitoring wells. Documentation of the well inspections are provided as an attachment to this memorandum.

Georgia Power Site/Unit	Date Performed	Well ID	Maintenance/ Repair Performed
Hammond/AP-2	2/10/2025	All Wells	Checked and cleared weep holes of debris.

Attachment
Well Inspection Summary Table

Well Inspection

Site Name: Plant Hammond AP-2

Date: 02/10/2025

Permit Number: 057-024D(CCR)

Field Conditions: Cloudy, 50° F

Well ID:	Location/Identification			
	Visible and accessible	Properly identified with correct well ID	Located in high traffic area; does the well require protection from traffic	Acceptable drainage around well (no standing water, not located in obvious drainage flow path)
HGWA-1	Yes	Yes	No	Yes
HGWA-2	Yes	Yes	No	Yes
HGWA-3	Yes	Yes	No	Yes
HGWA-4	Yes	Yes	No	Yes
HGWA-5	Yes	Yes	No	Yes
HGWA_6	Yes	Yes	No	Yes
HGWA-42D	Yes	Yes	No	Yes
HGWA-43D	Yes	Yes	No	Yes
HGWA-44D	Yes	Yes	No	Yes
HGWC-14	Yes	Yes	No	Yes
HGWC-15	Yes	Yes	No	Yes
HGWC-16	Yes	Yes	No	Yes
HGWC-17	Yes	Yes	No	Yes
HGWC-18	Yes	Yes	No	Yes
MW-9	Yes	Yes	No	Yes
MW-12	Yes	Yes	No	Yes
MW-16	Yes	Yes	No	Yes
MW-17	Yes	Yes	No	Yes
MW-18	Yes	Yes	No	Yes
MW-21D	Yes	Yes	No	Yes
MW-22	Yes	Yes	No	Yes
MW-23D	Yes	Yes	No	Yes
MW-33	Yes	Yes	No	Yes
MW-34D	Yes	Yes	No	Yes
MW-35	Yes	Yes	No	Yes
MW-36D	Yes	Yes	No	Yes
MW-37D	Yes	Yes	No	Yes
MW-51	Yes	Yes	No	Yes
MW-52	Yes	Yes	No	Yes
MW-55	Yes	Yes	No	Yes
MW-56	Yes	Yes	No	Yes
MW-57	Yes	Yes	No	Yes
MW-58	Yes	Yes	No	Yes
MW-59	Yes	Yes	No	Yes
PT-01	Yes	Yes	No	Yes
PT-02	Yes	Yes	No	Yes
PT-03	Yes	Yes	No	Yes
PT-04	Yes	Yes	No	Yes
PT-05	Yes	Yes	No	Yes
PT-06	Yes	Yes	No	Yes
INW-01	Yes	Yes	No	Yes
INW-02	Yes	Yes	No	Yes

Well Inspection

Site Name: Plant Hammond AP-2

Date: 02/10/2025

Permit Number: 057-024D(CCR)

Field Conditions: Cloudy, 50° F

Well ID:	Protective Casing				
	Free from apparent damage and able to be secured	No degradation or deterioration	Functioning weep hole	Annular space clear of debris and water, or filled with pea gravel/sand	Locked and is the lock in good condition
HGWA-1	Yes	Yes	Yes	Yes	Yes
HGWA-2	Yes	Yes	Yes	Yes	Yes
HGWA-3	Yes	Yes	Yes	Yes	Yes
HGWA-4	Yes	Yes	Yes	Yes	Yes
HGWA-5	Yes	Yes	Yes	Yes	Yes
HGWA_6	Yes	Yes	Yes	Yes	Yes
HGWA-42D	Yes	Yes	Yes	Yes	Yes
HGWA-43D	Yes	Yes	Yes	Yes	Yes
HGWA-44D	Yes	Yes	Yes	Yes	Yes
HGWC-14	Yes	Yes	Yes	Yes	Yes
HGWC-15	Yes	Yes	Yes	Yes	Yes
HGWC-16	Yes	Yes	Yes	Yes	Yes
HGWC-17	Yes	Yes	Yes	Yes	Yes
HGWC-18	Yes	Yes	Yes	Yes	Yes
MW-9	Yes	Yes	Yes	Yes	Yes
MW-12	Yes	Yes	Yes	Yes	Yes
MW-16	Yes	Yes	Yes	Yes	Yes
MW-17	Yes	Yes	Yes	Yes	Yes
MW-18	Yes	Yes	Yes	Yes	Yes
MW-21D	Yes	Yes	Yes	Yes	Yes
MW-22	Yes	Yes	Yes	Yes	Yes
MW-23D	Yes	Yes	Yes	Yes	Yes
MW-33	Yes	Yes	Yes	Yes	Yes
MW-34D	Yes	Yes	Yes	Yes	Yes
MW-35	Yes	Yes	Yes	Yes	Yes
MW-36D	Yes	Yes	Yes	Yes	Yes
MW-37D	Yes	Yes	Yes	Yes	Yes
MW-51	Yes	Yes	Yes	Yes	Yes
MW-52	Yes	Yes	Yes	Yes	Yes
MW-55	Yes	Yes	Yes	Yes	Yes
MW-56	Yes	Yes	Yes	Yes	Yes
MW-57	Yes	Yes	Yes	Yes	Yes
MW-58	Yes	Yes	Yes	Yes	Yes
MW-59	Yes	Yes	Yes	Yes	Yes
PT-01	Yes	Yes	Yes	Yes	Yes
PT-02	Yes	Yes	Yes	Yes	Yes
PT-03	Yes	Yes	Yes	Yes	Yes
PT-04	Yes	Yes	Yes	Yes	Yes
PT-05	Yes	Yes	Yes	Yes	Yes
PT-06	Yes	Yes	Yes	Yes	Yes
INW-01	Yes	Yes	Yes	Yes	Yes
INW-02	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Hammond AP-2

Date: 02/10/2025

Permit Number: 057-024D(CCR)

Field Conditions: Cloudy, 50° F

	Surface Pad			Internal Casing		
Well ID:	Good condition (not cracked/ broken)	Sloped away from the protective casing	In complete contact with the ground surface and stable	Cap prevents entry of foreign material into the well	Free of kinks/bends, or any obstructions from foreign objects (such as bailers)	Properly vented for equilibration of air pressure
HGWA-1	Yes	Yes	Yes	Yes	Yes	Yes
HGWA-2	Yes	Yes	Yes	Yes	Yes	Yes
HGWA-3	Yes	Yes	Yes	Yes	Yes	Yes
HGWA-4	Yes	Yes	Yes	Yes	Yes	Yes
HGWA-5	Yes	Yes	Yes	Yes	Yes	Yes
HGWA_6	Yes	Yes	Yes	Yes	Yes	Yes
HGWA-42D	Yes	Yes	Yes	Yes	Yes	Yes
HGWA-43D	Yes	Yes	Yes	Yes	Yes	Yes
HGWA-44D	Yes	Yes	Yes	Yes	Yes	Yes
HGWC-14	Yes	Yes	Yes	Yes	Yes	Yes
HGWC-15	Yes	Yes	Yes	Yes	Yes	Yes
HGWC-16	Yes	Yes	Yes	Yes	Yes	Yes
HGWC-17	Yes	Yes	Yes	Yes	Yes	Yes
HGWC-18	Yes	Yes	Yes	Yes	Yes	Yes
MW-9	Yes	Yes	Yes	Yes	Yes	Yes
MW-12	Yes	Yes	Yes	Yes	Yes	Yes
MW-16	Yes	Yes	Yes	Yes	Yes	Yes
MW-17	Yes	Yes	Yes	Yes	Yes	Yes
MW-18	Yes	Yes	Yes	Yes	Yes	Yes
MW-21D	Yes	Yes	Yes	Yes	Yes	Yes
MW-22	Yes	Yes	Yes	Yes	Yes	Yes
MW-23D	Yes	Yes	Yes	Yes	Yes	Yes
MW-33	Yes	Yes	Yes	Yes	Yes	Yes
MW-34D	Yes	Yes	Yes	Yes	Yes	Yes
MW-35	Yes	Yes	Yes	Yes	Yes	Yes
MW-36D	Yes	Yes	Yes	Yes	Yes	Yes
MW-37D	Yes	Yes	Yes	Yes	Yes	Yes
MW-51	Yes	Yes	Yes	Yes	Yes	Yes
MW-52	Yes	Yes	Yes	Yes	Yes	Yes
MW-56	Yes	Yes	Yes	Yes	Yes	Yes
MW-57	Yes	Yes	Yes	Yes	Yes	Yes
MW-58	Yes	Yes	Yes	Yes	Yes	Yes
MW-59	Yes	Yes	Yes	Yes	Yes	Yes
PT-01	Yes	Yes	Yes	Yes	Yes	Yes
PT-02	Yes	Yes	Yes	Yes	Yes	Yes
PT-03	Yes	Yes	Yes	Yes	Yes	Yes
PT-04	Yes	Yes	Yes	Yes	Yes	Yes
PT-05	Yes	Yes	Yes	Yes	Yes	Yes
PT-06	Yes	Yes	Yes	Yes	Yes	Yes
INW-01	Yes	Yes	Yes	Yes	Yes	Yes
INW-02	Yes	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Hammond AP-2

Date: 02/10/2025

Permit Number: 057-024D(CCR)

Field Conditions: Cloudy, 50° F

Well ID:	Corrective actions as needed, by date:
HGWA-1	N/A
HGWA-2	N/A
HGWA-3	N/A
HGWA-4	N/A
HGWA-5	N/A
HGWA_6	N/A
HGWA-42D	N/A
HGWA-43D	N/A
HGWA-44D	N/A
HGWC-14	N/A
HGWC-15	N/A
HGWC-16	N/A
HGWC-17	N/A
HGWC-18	N/A
MW-9	N/A
MW-12	N/A
MW-16	N/A
MW-17	N/A
MW-18	N/A
MW-21D	N/A
MW-22	N/A
MW-23D	N/A
MW-33	N/A
MW-34D	N/A
MW-35	N/A
MW-36D	N/A
MW-37D	N/A
MW-51	N/A
MW-52	N/A
MW-56	N/A
MW-57	N/A
MW-58	N/A
MW-59	N/A
PT-01	N/A
PT-02	N/A
PT-03	N/A
PT-04	N/A
PT-05	N/A
PT-06	N/A
INW-01	N/A
INW-02	N/A

AUGUST 2025

Geosyntec consultants

1255 Roberts Boulevard, Suite 200
Kennesaw, Georgia 30144
PH 678.202.9500
FAX 678.202.9501
www.geosyntec.com

MEMORANDUM

DATE: September 15, 2025

TO: Kristen Jurinko, P.G., Southern Company Services, Inc.

CC: Ben Hodges, P.G. Georgia Power Company

FROM: Geosyntec Consultants

SUBJECT: **Plant Hammond Ash Pond 2 (AP-2) – Well Maintenance and Repair Documentation, Georgia Power Company**

Geosyntec Consultants has prepared this memorandum to provide documentation of groundwater monitoring well maintenance and/or repair performed at Plant Hammond Ash Pond 2 (AP-2) during the August 2025 sampling event. All repairs and maintenance were completed in accordance with the Georgia Environmental Protection Division (GA EPD) guidance on routine visual inspections of groundwater monitoring wells. Documentation of the well inspections are provided as an attachment to this memorandum.

Georgia Power Site/Unit	Date Performed	Well ID	Maintenance/ Repair Performed
Hammond/AP-2	8/4/2025	All Wells	Checked and cleared weep holes of debris.

Attachment
Well Inspection Summary Table

Well Inspection

Site Name: Plant Hammond AP-2

Date: 08/4/2025

Permit Number: 057-024D(CCR)

Field Conditions: Partly Cloudy, 65° F

Well ID:	Location/Identification			
	Visible and accessible	Properly identified with correct well ID	Located in high traffic area; does the well require protection from traffic	Acceptable drainage around well (no standing water, not located in obvious drainage flow path)
HGWA-1	Yes	Yes	No	Yes
HGWA-2	Yes	Yes	No	Yes
HGWA-3	Yes	Yes	No	Yes
HGWA-4	Yes	Yes	No	Yes
HGWA-5	Yes	Yes	No	Yes
HGWA_6	Yes	Yes	No	Yes
HGWA-42D	Yes	Yes	No	Yes
HGWA-43D	Yes	Yes	No	Yes
HGWA-44D	Yes	Yes	No	Yes
HGWC-14	Yes	Yes	No	Yes
HGWC-15	Yes	Yes	No	Yes
HGWC-16	Yes	Yes	No	Yes
HGWC-17	Yes	Yes	No	Yes
HGWC-18	Yes	Yes	No	Yes
MW-9	Yes	Yes	No	Yes
MW-12	Yes	Yes	No	Yes
MW-16	Yes	Yes	No	Yes
MW-17	Yes	Yes	No	Yes
MW-18	Yes	Yes	No	Yes
MW-21D	Yes	Yes	No	Yes
MW-22	Yes	Yes	No	Yes
MW-23D	Yes	Yes	No	Yes
MW-33	Yes	Yes	No	Yes
MW-34D	Yes	Yes	No	Yes
MW-35	Yes	Yes	No	Yes
MW-36D	Yes	Yes	No	Yes
MW-37D	Yes	Yes	No	Yes
MW-51	Yes	Yes	No	Yes
MW-52	Yes	Yes	No	Yes
MW-55	Yes	Yes	No	Yes
MW-56	Yes	Yes	No	Yes
MW-57	Yes	Yes	No	Yes
MW-58	Yes	Yes	No	Yes
MW-59	Yes	Yes	No	Yes
PT-01	Yes	Yes	No	Yes
PT-02	Yes	Yes	No	Yes
PT-03	Yes	Yes	No	Yes
PT-04	Yes	Yes	No	Yes
PT-05	Yes	Yes	No	Yes
PT-06	Yes	Yes	No	Yes
INW-01	Yes	Yes	No	Yes
INW-02	Yes	Yes	No	Yes

Well Inspection

Site Name: Plant Hammond AP-2

Date: 08/4/2025

Permit Number: 057-024D(CCR)

Field Conditions: Partly Cloudy, 65° F

Well ID:	Protective Casing				
	Free from apparent damage and able to be secured	No degradation or deterioration	Functioning weep hole	Annular space clear of debris and water, or filled with pea gravel/sand	Locked and is the lock in good condition
HGWA-1	Yes	Yes	Yes	Yes	Yes
HGWA-2	Yes	Yes	Yes	Yes	Yes
HGWA-3	Yes	Yes	Yes	Yes	Yes
HGWA-4	Yes	Yes	Yes	Yes	Yes
HGWA-5	Yes	Yes	Yes	Yes	Yes
HGWA_6	Yes	Yes	Yes	Yes	Yes
HGWA-42D	Yes	Yes	Yes	Yes	Yes
HGWA-43D	Yes	Yes	Yes	Yes	Yes
HGWA-44D	Yes	Yes	Yes	Yes	Yes
HGWC-14	Yes	Yes	Yes	Yes	Yes
HGWC-15	Yes	Yes	Yes	Yes	Yes
HGWC-16	Yes	Yes	Yes	Yes	Yes
HGWC-17	Yes	Yes	Yes	Yes	Yes
HGWC-18	Yes	Yes	Yes	Yes	Yes
MW-9	Yes	Yes	Yes	Yes	Yes
MW-12	Yes	Yes	Yes	Yes	Yes
MW-16	Yes	Yes	Yes	Yes	Yes
MW-17	Yes	Yes	Yes	Yes	Yes
MW-18	Yes	Yes	Yes	Yes	Yes
MW-21D	Yes	Yes	Yes	Yes	Yes
MW-22	Yes	Yes	Yes	Yes	Yes
MW-23D	Yes	Yes	Yes	Yes	Yes
MW-33	Yes	Yes	Yes	Yes	Yes
MW-34D	Yes	Yes	Yes	Yes	Yes
MW-35	Yes	Yes	Yes	Yes	Yes
MW-36D	Yes	Yes	Yes	Yes	Yes
MW-37D	Yes	Yes	Yes	Yes	Yes
MW-51	Yes	Yes	Yes	Yes	Yes
MW-52	Yes	Yes	Yes	Yes	Yes
MW-55	Yes	Yes	Yes	Yes	Yes
MW-56	Yes	Yes	Yes	Yes	Yes
MW-57	Yes	Yes	Yes	Yes	Yes
MW-58	Yes	Yes	Yes	Yes	Yes
MW-59	Yes	Yes	Yes	Yes	Yes
PT-01	Yes	Yes	Yes	Yes	Yes
PT-02	Yes	Yes	Yes	Yes	Yes
PT-03	Yes	Yes	Yes	Yes	Yes
PT-04	Yes	Yes	Yes	Yes	Yes
PT-05	Yes	Yes	Yes	Yes	Yes
PT-06	Yes	Yes	Yes	Yes	Yes
INW-01	Yes	Yes	Yes	Yes	Yes
INW-02	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Hammond AP-2

Date: 08/4/2025

Permit Number: 057-024D(CCR)

Field Conditions: Partly Cloudy, 65° F

	Surface Pad			Internal Casing		
Well ID:	Good condition (not cracked/ broken)	Sloped away from the protective casing	In complete contact with the ground surface and stable	Cap prevents entry of foreign material into the well	Free of kinks/bends, or any obstructions from foreign objects (such as bailers)	Properly vented for equilibration of air pressure
HGWA-1	Yes	Yes	Yes	Yes	Yes	Yes
HGWA-2	Yes	Yes	Yes	Yes	Yes	Yes
HGWA-3	Yes	Yes	Yes	Yes	Yes	Yes
HGWA-4	Yes	Yes	Yes	Yes	Yes	Yes
HGWA-5	Yes	Yes	Yes	Yes	Yes	Yes
HGWA_6	Yes	Yes	Yes	Yes	Yes	Yes
HGWA-42D	Yes	Yes	Yes	Yes	Yes	Yes
HGWA-43D	Yes	Yes	Yes	Yes	Yes	Yes
HGWA-44D	Yes	Yes	Yes	Yes	Yes	Yes
HGWC-14	Yes	Yes	Yes	Yes	Yes	Yes
HGWC-15	Yes	Yes	Yes	Yes	Yes	Yes
HGWC-16	Yes	Yes	Yes	Yes	Yes	Yes
HGWC-17	Yes	Yes	Yes	Yes	Yes	Yes
HGWC-18	Yes	Yes	Yes	Yes	Yes	Yes
MW-9	Yes	Yes	Yes	Yes	Yes	Yes
MW-12	Yes	Yes	Yes	Yes	Yes	Yes
MW-16	Yes	Yes	Yes	Yes	Yes	Yes
MW-17	Yes	Yes	Yes	Yes	Yes	Yes
MW-18	Yes	Yes	Yes	Yes	Yes	Yes
MW-21D	Yes	Yes	Yes	Yes	Yes	Yes
MW-22	Yes	Yes	Yes	Yes	Yes	Yes
MW-23D	Yes	Yes	Yes	Yes	Yes	Yes
MW-33	Yes	Yes	Yes	Yes	Yes	Yes
MW-34D	Yes	Yes	Yes	Yes	Yes	Yes
MW-35	Yes	Yes	Yes	Yes	Yes	Yes
MW-36D	Yes	Yes	Yes	Yes	Yes	Yes
MW-37D	Yes	Yes	Yes	Yes	Yes	Yes
MW-51	Yes	Yes	Yes	Yes	Yes	Yes
MW-52	Yes	Yes	Yes	Yes	Yes	Yes
MW-56	Yes	Yes	Yes	Yes	Yes	Yes
MW-57	Yes	Yes	Yes	Yes	Yes	Yes
MW-58	Yes	Yes	Yes	Yes	Yes	Yes
MW-59	Yes	Yes	Yes	Yes	Yes	Yes
PT-01	Yes	Yes	Yes	Yes	Yes	Yes
PT-02	Yes	Yes	Yes	Yes	Yes	Yes
PT-03	Yes	Yes	Yes	Yes	Yes	Yes
PT-04	Yes	Yes	Yes	Yes	Yes	Yes
PT-05	Yes	Yes	Yes	Yes	Yes	Yes
PT-06	Yes	Yes	Yes	Yes	Yes	Yes
INW-01	Yes	Yes	Yes	Yes	Yes	Yes
INW-02	Yes	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Hammond AP-2

Date: 08/4/2025

Permit Number: 057-024D(CCR)

Field Conditions: Partly Cloudy, 65° F

Well ID:	Corrective actions as needed, by date:
HGWA-1	N/A
HGWA-2	N/A
HGWA-3	N/A
HGWA-4	N/A
HGWA-5	N/A
HGWA_6	N/A
HGWA-42D	N/A
HGWA-43D	N/A
HGWA-44D	N/A
HGWC-14	N/A
HGWC-15	N/A
HGWC-16	N/A
HGWC-17	N/A
HGWC-18	N/A
MW-9	N/A
MW-12	N/A
MW-16	N/A
MW-17	N/A
MW-18	N/A
MW-21D	N/A
MW-22	N/A
MW-23D	N/A
MW-33	N/A
MW-34D	N/A
MW-35	N/A
MW-36D	N/A
MW-37D	N/A
MW-51	N/A
MW-52	N/A
MW-56	N/A
MW-57	N/A
MW-58	N/A
MW-59	N/A
PT-01	N/A
PT-02	N/A
PT-03	N/A
PT-04	N/A
PT-05	N/A
PT-06	N/A
INW-01	N/A
INW-02	N/A

APPENDIX B

Laboratory Analytical and Field Sampling Reports

LABORATORY ANALYTICAL RESULTS

February 2025

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

March 27, 2025

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory between February 14, 2025 and February 17, 2025. 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 National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - West Columbia

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

Sincerely,

Bonnie Vang

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

Enclosures

cc: Kip Gray, Geosyntec
Christine Hug, Geosyntec Consultants, Inc.
Thomas Kessler, Geosyntec Consultants
Whitney Law, Geosyntec Consultants
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec Consultants, Inc
Jamie Newsome, Geosyntec Consultants
Zain Webb, Geosyntec Consultants

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services West Columbia

106 Vantage Point Drive, West Columbia, SC 29172
Alaska Dept. of Energy Conservation, Cert# 20-002
California ELAP, cert# 3049
DoD, DoD QSM V5.4, cert# I.2224
DOE, DoD/DOE QSM V5.4, cert# I.2224.01
Florida, Dept. of Health, cert# E87653-70
Georgia, Env. Protection Division, cert# E87653
Illinois, EPA NELAP, cert# 2000552024-9
Kansas, Dept. of Health and Environment, cert# E-10417
Kentucky, Dept. for Env. Protection, UST, cert# 103582
Kentucky, Dept. for Env. Protection, cert# 98037
Louisiana, Dept. of Environmental Quality, cert# 5125
North Carolina, DEQ, Water Resources, cert# 329
New Jersey, Dept. of Env. Protection, cert# NLC 240005
Oklahoma, Dept. of Env. Quality, cert# 2023-175
Oregon, ELAP, cert# 4181-006
Pennsylvania, Dept. of Env. Protection, cert# 003
South Carolina, Dept. of Env. Services, cert# 32010001
Texas, Commission on Env. Quality, cert# TX-C24-00083
Virginia, Dept. of General Services, cert# 13080
Wisconsin, Dept. of Natural Resources, cert# 399136100

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Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92779989001	**HAM-HGWA-1**	Water	02/12/25 13:38	02/14/25 16:10
92779989002	**HAM-HGWA-3**	Water	02/12/25 14:30	02/14/25 16:10
92779989003	**HAM-HGWA-43D**	Water	02/12/25 14:50	02/14/25 16:10
92779989004	**HAM-HGWA-44D**	Water	02/12/25 15:42	02/14/25 16:10
92779989005	**HAM-UGRD-EB-01**	Water	02/13/25 17:30	02/14/25 16:10
92779989006	**HAM-UGRD-FB-01**	Water	02/13/25 17:25	02/14/25 16:10
92779989007	**HAM-HGWA-2**	Water	02/14/25 09:20	02/17/25 14:45
92779989008	**HAM-UGRD-FD-01**	Water	02/14/25 00:00	02/17/25 14:45

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Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92779989001	**HAM-HGWA-1**	EPA 6020B	LD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	CMW1	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92779989002	**HAM-HGWA-3**	EPA 6020B	SJM	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	CMW1	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92779989003	**HAM-HGWA-43D**	EPA 6020B	SJM	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	CMW1	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92779989004	**HAM-HGWA-44D**	EPA 6020B	SJM	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	CMW1	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92779989005	**HAM-UGRD-EB-01**	EPA 6020B	UNP	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
92779989006	**HAM-UGRD-FB-01**	EPA 6020B	SJM	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A

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Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6020B	BK1	13	PASI-WC
92779989007	**HAM-HGWA-2**	EPA 6020B	SJM	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	YEG	3	PASI-A
		SM 2540C-2015	CDM	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92779989008	**HAM-UGRD-FD-01**	EPA 6020B	SJM	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2540C-2015	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

SUMMARY OF DETECTION

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92779989001	**HAM-HGWA-1**					
EPA 6020B	Lithium	0.00119J	mg/L	0.0300	03/19/25 23:57	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	283	mg/L	5.0	02/20/25 14:38	
SM 2320B-2011	Alkalinity, Total as CaCO3	283	mg/L	5.0	02/20/25 14:38	
SM 2540C-2015	Total Dissolved Solids	374	mg/L	25.0	02/18/25 17:54	
EPA 300.0 Rev 2.1 1993	Chloride	4.8	mg/L	1.0	02/18/25 14:32	
EPA 300.0 Rev 2.1 1993	Fluoride	0.10	mg/L	0.10	02/18/25 14:32	
EPA 300.0 Rev 2.1 1993	Sulfate	43.8	mg/L	1.0	02/18/25 14:32	
EPA 6020B	Barium	0.034	mg/L	0.0050	03/13/25 09:40	
EPA 6020B	Boron	0.021J	mg/L	0.040	03/13/25 09:40	
EPA 6020B	Calcium	125	mg/L	10.0	03/12/25 18:52	
EPA 6020B	Iron	0.023J	mg/L	0.040	03/13/25 09:40	
EPA 6020B	Magnesium	4.7	mg/L	0.050	03/13/25 09:40	
EPA 6020B	Manganese	0.063	mg/L	0.040	03/13/25 09:40	
EPA 6020B	Potassium	0.48J	mg/L	0.50	03/13/25 09:40	
EPA 6020B	Sodium	14.7	mg/L	1.0	03/13/25 09:40	
92779989002	**HAM-HGWA-3**					
EPA 6020B	Lithium	0.00331J	mg/L	0.0300	03/19/25 12:43	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	223	mg/L	5.0	02/20/25 14:46	
SM 2320B-2011	Alkalinity, Total as CaCO3	223	mg/L	5.0	02/20/25 14:46	
SM 2540C-2015	Total Dissolved Solids	267	mg/L	25.0	02/18/25 17:55	
EPA 300.0 Rev 2.1 1993	Chloride	5.0	mg/L	1.0	02/18/25 14:48	
EPA 300.0 Rev 2.1 1993	Fluoride	0.073J	mg/L	0.10	02/18/25 14:48	
EPA 300.0 Rev 2.1 1993	Sulfate	28.0	mg/L	1.0	02/18/25 14:48	
EPA 6020B	Barium	0.13	mg/L	0.0050	03/13/25 09:49	
EPA 6020B	Boron	0.011J	mg/L	0.040	03/13/25 09:49	
EPA 6020B	Calcium	86.6	mg/L	10.0	03/12/25 19:01	
EPA 6020B	Iron	0.91	mg/L	0.040	03/13/25 09:49	
EPA 6020B	Magnesium	5.5	mg/L	0.050	03/13/25 09:49	
EPA 6020B	Manganese	0.25	mg/L	0.040	03/13/25 09:49	
EPA 6020B	Potassium	0.46J	mg/L	0.50	03/13/25 09:49	
EPA 6020B	Sodium	5.7	mg/L	1.0	03/13/25 09:49	
92779989003	**HAM-HGWA-43D**					
EPA 6020B	Lithium	0.00266J	mg/L	0.0300	03/19/25 12:46	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	237	mg/L	5.0	02/20/25 14:54	
SM 2320B-2011	Alkalinity, Total as CaCO3	237	mg/L	5.0	02/20/25 14:54	
SM 2540C-2015	Total Dissolved Solids	273	mg/L	25.0	02/18/25 17:55	
SM 4500-S2D-2011	Sulfide	0.025J	mg/L	0.10	02/19/25 01:49	
EPA 300.0 Rev 2.1 1993	Chloride	3.8	mg/L	1.0	02/18/25 15:04	
EPA 300.0 Rev 2.1 1993	Fluoride	0.21	mg/L	0.10	02/18/25 15:04	
EPA 300.0 Rev 2.1 1993	Sulfate	25.2	mg/L	1.0	02/18/25 15:04	
EPA 6020B	Barium	0.30	mg/L	0.0050	03/13/25 09:58	
EPA 6020B	Boron	0.040J	mg/L	0.040	03/13/25 09:58	
EPA 6020B	Calcium	61.8	mg/L	10.0	03/12/25 19:10	
EPA 6020B	Iron	0.27	mg/L	0.040	03/13/25 09:58	
EPA 6020B	Magnesium	19.3	mg/L	0.050	03/13/25 09:58	
EPA 6020B	Manganese	0.015J	mg/L	0.040	03/13/25 09:58	

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SUMMARY OF DETECTION

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92779989003	**HAM-HGWA-43D**					
EPA 6020B	Potassium	0.86	mg/L	0.50	03/13/25 09:58	
EPA 6020B	Sodium	19.8	mg/L	1.0	03/13/25 09:58	
92779989004	**HAM-HGWA-44D**					
EPA 6020B	Lithium	0.101	mg/L	0.0300	03/19/25 12:49	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	294	mg/L	5.0	02/20/25 15:02	
SM 2320B-2011	Alkalinity, Total as CaCO3	294	mg/L	5.0	02/20/25 15:02	
SM 2540C-2015	Total Dissolved Solids	363	mg/L	25.0	02/18/25 17:55	
SM 4500-S2D-2011	Sulfide	0.10	mg/L	0.10	02/19/25 01:51	
EPA 300.0 Rev 2.1 1993	Chloride	30.7	mg/L	1.0	02/18/25 15:20	
EPA 300.0 Rev 2.1 1993	Fluoride	1.1	mg/L	0.10	02/18/25 15:20	
EPA 300.0 Rev 2.1 1993	Sulfate	0.51J	mg/L	1.0	02/18/25 15:20	
EPA 6020B	Arsenic	0.0014J	mg/L	0.0050	03/12/25 23:41	
EPA 6020B	Barium	0.095	mg/L	0.0050	03/12/25 23:41	
EPA 6020B	Boron	0.54	mg/L	0.40	03/12/25 19:19	
EPA 6020B	Calcium	7.2	mg/L	1.0	03/12/25 23:41	
EPA 6020B	Iron	0.19	mg/L	0.040	03/12/25 23:41	
EPA 6020B	Magnesium	3.5	mg/L	0.050	03/12/25 23:41	
EPA 6020B	Manganese	0.0058J	mg/L	0.040	03/12/25 23:41	
EPA 6020B	Potassium	2.3J	mg/L	5.0	03/12/25 19:19	1g
EPA 6020B	Sodium	141	mg/L	10.0	03/12/25 19:19	
92779989007	**HAM-HGWA-2**					
EPA 6020B	Lithium	0.00183J	mg/L	0.0300	03/19/25 12:56	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	58.3	mg/L	5.0	02/25/25 17:18	
SM 2320B-2011	Alkalinity, Total as CaCO3	58.3	mg/L	5.0	02/25/25 17:18	
SM 2540C-2015	Total Dissolved Solids	242	mg/L	25.0	02/21/25 12:15	
EPA 300.0 Rev 2.1 1993	Chloride	8.5	mg/L	1.0	02/18/25 14:01	
EPA 300.0 Rev 2.1 1993	Fluoride	0.10	mg/L	0.10	02/18/25 14:01	
EPA 300.0 Rev 2.1 1993	Sulfate	94.5	mg/L	1.0	02/18/25 14:01	M1
EPA 6020B	Barium	0.057	mg/L	0.0050	03/13/25 02:15	
EPA 6020B	Beryllium	0.00023J	mg/L	0.00050	03/13/25 02:15	
EPA 6020B	Boron	0.053	mg/L	0.040	03/13/25 02:15	
EPA 6020B	Cadmium	0.00028J	mg/L	0.00050	03/13/25 02:15	
EPA 6020B	Calcium	51.5	mg/L	10.0	03/12/25 21:53	
EPA 6020B	Cobalt	0.030	mg/L	0.0050	03/13/25 02:15	
EPA 6020B	Iron	0.068	mg/L	0.040	03/13/25 02:15	
EPA 6020B	Magnesium	5.0	mg/L	0.050	03/13/25 02:15	
EPA 6020B	Manganese	0.84	mg/L	0.40	03/12/25 21:53	
EPA 6020B	Potassium	1.5	mg/L	0.50	03/13/25 02:15	
EPA 6020B	Selenium	0.0043J	mg/L	0.0050	03/14/25 18:01	
EPA 6020B	Sodium	12.5	mg/L	1.0	03/13/25 02:15	
92779989008	**HAM-UGRD-FD-01**					
EPA 6020B	Lithium	0.00182J	mg/L	0.0300	03/19/25 12:59	J
SM 2540C-2015	Total Dissolved Solids	230	mg/L	25.0	02/21/25 12:16	
EPA 300.0 Rev 2.1 1993	Chloride	8.5	mg/L	1.0	02/18/25 15:08	
EPA 300.0 Rev 2.1 1993	Fluoride	0.096J	mg/L	0.10	02/18/25 15:08	
EPA 300.0 Rev 2.1 1993	Sulfate	94.9	mg/L	1.0	02/18/25 15:08	

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SUMMARY OF DETECTION

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92779989008	**HAM-UGRD-FD-01**					
EPA 6020B	Barium	0.052	mg/L	0.0050	03/13/25 02:24	
EPA 6020B	Beryllium	0.00023J	mg/L	0.00050	03/13/25 02:24	
EPA 6020B	Boron	0.050	mg/L	0.040	03/13/25 02:24	
EPA 6020B	Cadmium	0.00026J	mg/L	0.00050	03/13/25 02:24	
EPA 6020B	Calcium	45.9	mg/L	10.0	03/12/25 22:02	
EPA 6020B	Cobalt	0.028	mg/L	0.0050	03/13/25 02:24	
EPA 6020B	Selenium	0.0040J	mg/L	0.0050	03/14/25 18:10	

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ANALYTICAL RESULTS

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

Sample: HAM-HGWA-1 **Lab ID: 92779989001** Collected: 02/12/25 13:38 Received: 02/14/25 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00119J**	mg/L	0.0300	0.000600	1	03/18/25 08:25	03/19/25 23:57	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/18/25 17:23	02/23/25 12:33	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**283**	mg/L	5.0	5.0	1		02/20/25 14:38		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/20/25 14:38		
Alkalinity, Total as CaCO3	**283**	mg/L	5.0	5.0	1		02/20/25 14:38		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**374**	mg/L	25.0	25.0	1		02/18/25 17:54		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/19/25 01:49	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**4.8**	mg/L	1.0	0.60	1		02/18/25 14:32	16887-00-6	
Fluoride	**0.10**	mg/L	0.10	0.050	1		02/18/25 14:32	16984-48-8	
Sulfate	**43.8**	mg/L	1.0	0.50	1		02/18/25 14:32	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 11:48	03/13/25 09:40	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 09:40	7440-38-2	
Barium	**0.034**	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 09:40	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/10/25 11:48	03/13/25 09:40	7440-41-7	
Boron	**0.021J**	mg/L	0.040	0.0062	1	03/10/25 11:48	03/13/25 09:40	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/10/25 11:48	03/13/25 09:40	7440-43-9	
Calcium	**125**	mg/L	10.0	1.0	10	03/10/25 11:48	03/12/25 18:52	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 09:40	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 09:40	7440-48-4	
Iron	**0.023J**	mg/L	0.040	0.012	1	03/10/25 11:48	03/13/25 09:40	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/10/25 11:48	03/13/25 09:40	7439-92-1	
Magnesium	**4.7**	mg/L	0.050	0.010	1	03/10/25 11:48	03/13/25 09:40	7439-95-4	
Manganese	**0.063**	mg/L	0.040	0.0012	1	03/10/25 11:48	03/13/25 09:40	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/10/25 11:48	03/13/25 09:40	7439-98-7	
Potassium	**0.48J**	mg/L	0.50	0.10	1	03/10/25 11:48	03/13/25 09:40	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 09:40	7782-49-2	

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ANALYTICAL RESULTS

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

Sample: HAM-HGWA-1 **Lab ID: 92779989001** Collected: 02/12/25 13:38 Received: 02/14/25 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**14.7**	mg/L	1.0	0.15	1	03/10/25 11:48	03/13/25 09:40	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 11:48	03/13/25 09:40	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

Sample: HAM-HGWA-3 **Lab ID: 92779989002** Collected: 02/12/25 14:30 Received: 02/14/25 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00331J**	mg/L	0.0300	0.000600	1	03/18/25 13:14	03/19/25 12:43	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/18/25 17:23	02/23/25 12:39	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**223**	mg/L	5.0	5.0	1		02/20/25 14:46		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/20/25 14:46		
Alkalinity, Total as CaCO3	**223**	mg/L	5.0	5.0	1		02/20/25 14:46		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**267**	mg/L	25.0	25.0	1		02/18/25 17:55		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/19/25 01:49	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**5.0**	mg/L	1.0	0.60	1		02/18/25 14:48	16887-00-6	
Fluoride	**0.073J**	mg/L	0.10	0.050	1		02/18/25 14:48	16984-48-8	
Sulfate	**28.0**	mg/L	1.0	0.50	1		02/18/25 14:48	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 11:48	03/13/25 09:49	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 09:49	7440-38-2	
Barium	**0.13**	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 09:49	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/10/25 11:48	03/13/25 09:49	7440-41-7	
Boron	**0.011J**	mg/L	0.040	0.0062	1	03/10/25 11:48	03/13/25 09:49	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/10/25 11:48	03/13/25 09:49	7440-43-9	
Calcium	**86.6**	mg/L	10.0	1.0	10	03/10/25 11:48	03/12/25 19:01	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 09:49	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 09:49	7440-48-4	
Iron	**0.91**	mg/L	0.040	0.012	1	03/10/25 11:48	03/13/25 09:49	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/10/25 11:48	03/13/25 09:49	7439-92-1	
Magnesium	**5.5**	mg/L	0.050	0.010	1	03/10/25 11:48	03/13/25 09:49	7439-95-4	
Manganese	**0.25**	mg/L	0.040	0.0012	1	03/10/25 11:48	03/13/25 09:49	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/10/25 11:48	03/13/25 09:49	7439-98-7	
Potassium	**0.46J**	mg/L	0.50	0.10	1	03/10/25 11:48	03/13/25 09:49	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 09:49	7782-49-2	

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ANALYTICAL RESULTS

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

Sample: HAM-HGWA-3 **Lab ID: 92779989002** Collected: 02/12/25 14:30 Received: 02/14/25 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**5.7**	mg/L	1.0	0.15	1	03/10/25 11:48	03/13/25 09:49	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 11:48	03/13/25 09:49	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

Sample: HAM-HGWA-43D **Lab ID: 92779989003** Collected: 02/12/25 14:50 Received: 02/14/25 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00266J**	mg/L	0.0300	0.000600	1	03/18/25 13:14	03/19/25 12:46	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/18/25 17:23	02/23/25 12:41	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**237**	mg/L	5.0	5.0	1		02/20/25 14:54		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/20/25 14:54		
Alkalinity, Total as CaCO3	**237**	mg/L	5.0	5.0	1		02/20/25 14:54		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**273**	mg/L	25.0	25.0	1		02/18/25 17:55		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**0.025J**	mg/L	0.10	0.022	1		02/19/25 01:49	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**3.8**	mg/L	1.0	0.60	1		02/18/25 15:04	16887-00-6	
Fluoride	**0.21**	mg/L	0.10	0.050	1		02/18/25 15:04	16984-48-8	
Sulfate	**25.2**	mg/L	1.0	0.50	1		02/18/25 15:04	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 11:48	03/13/25 09:58	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 09:58	7440-38-2	
Barium	**0.30**	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 09:58	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/10/25 11:48	03/13/25 09:58	7440-41-7	
Boron	**0.040J**	mg/L	0.040	0.0062	1	03/10/25 11:48	03/13/25 09:58	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/10/25 11:48	03/13/25 09:58	7440-43-9	
Calcium	**61.8**	mg/L	10.0	1.0	10	03/10/25 11:48	03/12/25 19:10	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 09:58	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 09:58	7440-48-4	
Iron	**0.27**	mg/L	0.040	0.012	1	03/10/25 11:48	03/13/25 09:58	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/10/25 11:48	03/13/25 09:58	7439-92-1	
Magnesium	**19.3**	mg/L	0.050	0.010	1	03/10/25 11:48	03/13/25 09:58	7439-95-4	
Manganese	**0.015J**	mg/L	0.040	0.0012	1	03/10/25 11:48	03/13/25 09:58	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/10/25 11:48	03/13/25 09:58	7439-98-7	
Potassium	**0.86**	mg/L	0.50	0.10	1	03/10/25 11:48	03/13/25 09:58	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 09:58	7782-49-2	

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ANALYTICAL RESULTS

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

Sample: HAM-HGWA-43D **Lab ID: 92779989003** Collected: 02/12/25 14:50 Received: 02/14/25 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**19.8**	mg/L	1.0	0.15	1	03/10/25 11:48	03/13/25 09:58	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 11:48	03/13/25 09:58	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

Sample: HAM-HGWA-44D **Lab ID: 92779989004** Collected: 02/12/25 15:42 Received: 02/14/25 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.101**	mg/L	0.0300	0.000600	1	03/18/25 13:14	03/19/25 12:49	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/18/25 17:23	02/23/25 12:43	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**294**	mg/L	5.0	5.0	1		02/20/25 15:02		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/20/25 15:02		
Alkalinity, Total as CaCO3	**294**	mg/L	5.0	5.0	1		02/20/25 15:02		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**363**	mg/L	25.0	25.0	1		02/18/25 17:55		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**0.10**	mg/L	0.10	0.022	1		02/19/25 01:51	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**30.7**	mg/L	1.0	0.60	1		02/18/25 15:20	16887-00-6	
Fluoride	**1.1**	mg/L	0.10	0.050	1		02/18/25 15:20	16984-48-8	
Sulfate	**0.51J**	mg/L	1.0	0.50	1		02/18/25 15:20	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 11:48	03/12/25 23:41	7440-36-0	
Arsenic	**0.0014J**	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/12/25 23:41	7440-38-2	
Barium	**0.095**	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/12/25 23:41	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/10/25 11:48	03/12/25 23:41	7440-41-7	
Boron	**0.54**	mg/L	0.40	0.062	10	03/10/25 11:48	03/12/25 19:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/10/25 11:48	03/12/25 23:41	7440-43-9	
Calcium	**7.2**	mg/L	1.0	0.10	1	03/10/25 11:48	03/12/25 23:41	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/12/25 23:41	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/12/25 23:41	7440-48-4	
Iron	**0.19**	mg/L	0.040	0.012	1	03/10/25 11:48	03/12/25 23:41	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/10/25 11:48	03/12/25 23:41	7439-92-1	
Magnesium	**3.5**	mg/L	0.050	0.010	1	03/10/25 11:48	03/12/25 23:41	7439-95-4	
Manganese	**0.0058J**	mg/L	0.040	0.0012	1	03/10/25 11:48	03/12/25 23:41	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/10/25 11:48	03/12/25 23:41	7439-98-7	
Potassium	**2.3J**	mg/L	5.0	1.0	10	03/10/25 11:48	03/12/25 19:19	7440-09-7	1g
Selenium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/12/25 23:41	7782-49-2	

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ANALYTICAL RESULTS

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

Sample: HAM-HGWA-44D **Lab ID: 92779989004** Collected: 02/12/25 15:42 Received: 02/14/25 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**141**	mg/L	10.0	1.5	10	03/10/25 11:48	03/12/25 19:19	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 11:48	03/12/25 23:41	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

Sample: HAM-UGRD-EB-01 **Lab ID: 92779989005** Collected: 02/13/25 17:30 Received: 02/14/25 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/26/25 19:19	03/27/25 00:09	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/18/25 17:23	02/23/25 12:45	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/20/25 13:08		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/18/25 00:18	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/18/25 00:18	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/18/25 00:18	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/17/25 17:45	03/20/25 10:09	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/17/25 17:45	03/20/25 10:09	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	03/17/25 17:45	03/20/25 10:09	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/17/25 17:45	03/20/25 10:09	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	03/17/25 17:45	03/20/25 18:36	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/17/25 17:45	03/20/25 10:09	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	03/17/25 17:45	03/20/25 10:09	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/17/25 17:45	03/20/25 10:09	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/17/25 17:45	03/20/25 10:09	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/17/25 17:45	03/20/25 10:09	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/17/25 17:45	03/20/25 10:09	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/17/25 17:45	03/20/25 10:09	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	03/17/25 17:45	03/20/25 10:09	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

Sample: HAM-UGRD-FB-01 **Lab ID: 92779989006** Collected: 02/13/25 17:25 Received: 02/14/25 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 13:14	03/19/25 12:53	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/18/25 17:23	02/23/25 12:47	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/20/25 13:08		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/18/25 00:34	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/18/25 00:34	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/18/25 00:34	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 11:48	03/13/25 10:07	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 10:07	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 10:07	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/10/25 11:48	03/13/25 10:07	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	03/10/25 11:48	03/13/25 10:07	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/10/25 11:48	03/13/25 10:07	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	03/10/25 11:48	03/13/25 10:07	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 10:07	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 10:07	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/10/25 11:48	03/13/25 10:07	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/10/25 11:48	03/13/25 10:07	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 10:07	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 11:48	03/13/25 10:07	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

Sample: HAM-HGWA-2 **Lab ID: 92779989007** Collected: 02/14/25 09:20 Received: 02/17/25 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00183J**	mg/L	0.0300	0.000600	1	03/18/25 13:14	03/19/25 12:56	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/20/25 19:10	02/24/25 12:17	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**58.3**	mg/L	5.0	5.0	1		02/25/25 17:18		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/25/25 17:18		
Alkalinity, Total as CaCO3	**58.3**	mg/L	5.0	5.0	1		02/25/25 17:18		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**242**	mg/L	25.0	25.0	1		02/21/25 12:15		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/19/25 02:05	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**8.5**	mg/L	1.0	0.60	1		02/18/25 14:01	16887-00-6	
Fluoride	**0.10**	mg/L	0.10	0.050	1		02/18/25 14:01	16984-48-8	
Sulfate	**94.5**	mg/L	1.0	0.50	1		02/18/25 14:01	14808-79-8	M1
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 11:48	03/13/25 02:15	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 02:15	7440-38-2	
Barium	**0.057**	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 02:15	7440-39-3	
Beryllium	**0.00023J**	mg/L	0.00050	0.00015	1	03/10/25 11:48	03/13/25 02:15	7440-41-7	
Boron	**0.053**	mg/L	0.040	0.0062	1	03/10/25 11:48	03/13/25 02:15	7440-42-8	
Cadmium	**0.00028J**	mg/L	0.00050	0.00012	1	03/10/25 11:48	03/13/25 02:15	7440-43-9	
Calcium	**51.5**	mg/L	10.0	1.0	10	03/10/25 11:48	03/12/25 21:53	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 02:15	7440-47-3	
Cobalt	**0.030**	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 02:15	7440-48-4	
Iron	**0.068**	mg/L	0.040	0.012	1	03/10/25 11:48	03/13/25 02:15	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/10/25 11:48	03/13/25 02:15	7439-92-1	
Magnesium	**5.0**	mg/L	0.050	0.010	1	03/10/25 11:48	03/13/25 02:15	7439-95-4	
Manganese	**0.84**	mg/L	0.40	0.012	10	03/10/25 11:48	03/12/25 21:53	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/10/25 11:48	03/13/25 02:15	7439-98-7	
Potassium	**1.5**	mg/L	0.50	0.10	1	03/10/25 11:48	03/13/25 02:15	7440-09-7	
Selenium	**0.0043J**	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/14/25 18:01	7782-49-2	

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ANALYTICAL RESULTS

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

Sample: HAM-HGWA-2 **Lab ID: 92779989007** Collected: 02/14/25 09:20 Received: 02/17/25 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**12.5**	mg/L	1.0	0.15	1	03/10/25 11:48	03/13/25 02:15	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 11:48	03/13/25 02:15	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

Sample: HAM-UGRD-FD-01 **Lab ID: 92779989008** Collected: 02/14/25 00:00 Received: 02/17/25 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00182J**	mg/L	0.0300	0.000600	1	03/18/25 13:14	03/19/25 12:59	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/20/25 19:10	02/24/25 12:19	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**230**	mg/L	25.0	25.0	1		02/21/25 12:16		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**8.5**	mg/L	1.0	0.60	1		02/18/25 15:08	16887-00-6	
Fluoride	**0.096J**	mg/L	0.10	0.050	1		02/18/25 15:08	16984-48-8	
Sulfate	**94.9**	mg/L	1.0	0.50	1		02/18/25 15:08	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 11:48	03/13/25 02:24	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 02:24	7440-38-2	
Barium	**0.052**	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 02:24	7440-39-3	
Beryllium	**0.00023J**	mg/L	0.00050	0.00015	1	03/10/25 11:48	03/13/25 02:24	7440-41-7	
Boron	**0.050**	mg/L	0.040	0.0062	1	03/10/25 11:48	03/13/25 02:24	7440-42-8	
Cadmium	**0.00026J**	mg/L	0.00050	0.00012	1	03/10/25 11:48	03/13/25 02:24	7440-43-9	
Calcium	**45.9**	mg/L	10.0	1.0	10	03/10/25 11:48	03/12/25 22:02	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 02:24	7440-47-3	
Cobalt	**0.028**	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/13/25 02:24	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/10/25 11:48	03/13/25 02:24	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/10/25 11:48	03/13/25 02:24	7439-98-7	
Selenium	**0.0040J**	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/14/25 18:10	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 11:48	03/13/25 02:24	7440-28-0	

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QUALITY CONTROL DATA

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

QC Batch: 2469158
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92779989002, 92779989003, 92779989004, 92779989006, 92779989007, 92779989008

METHOD BLANK: R4188214-1 Matrix: Water
Associated Lab Samples: 92779989002, 92779989003, 92779989004, 92779989006, 92779989007, 92779989008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.0300	0.000600	03/19/25 11:29	

LABORATORY CONTROL SAMPLE: R4188214-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0447	89.5	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4188214-4 R4188214-5

Parameter	Units	L1835821-49 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.00218	0.0500	0.0500	0.0484	0.0497	92.3	95.0	75.0-125	2.69	20	

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QUALITY CONTROL DATA

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

QC Batch: 2469175
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92779989001

METHOD BLANK: R4188590-1 Matrix: Water
Associated Lab Samples: 92779989001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.0300	0.000600	03/19/25 23:38	

LABORATORY CONTROL SAMPLE: R4188590-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0510	102	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4188590-4 R4188590-5

Parameter	Units	L1836006-05 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	ND	0.0500	0.0500	0.0503	0.0511	101	102	75.0-125	1.59	20	

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QUALITY CONTROL DATA

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

QC Batch: 2476791
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92779989005

METHOD BLANK: R4191612-1 Matrix: Water
Associated Lab Samples: 92779989005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.0300	0.000600	03/27/25 00:03	

LABORATORY CONTROL SAMPLE: R4191612-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0470	94.1	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4191612-4 R4191612-5

Parameter	Units	L1839658-04 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.00782	0.0500	0.0500	0.0534	0.0524	91.2	89.1	75.0-125	1.98	20	

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QUALITY CONTROL DATA

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

QC Batch: 916942 | Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A | Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779989001, 92779989002, 92779989003, 92779989004, 92779989005, 92779989006

METHOD BLANK: 4712332 Matrix: Water
Associated Lab Samples: 92779989001, 92779989002, 92779989003, 92779989004, 92779989005, 92779989006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00012	02/23/25 12:29	

LABORATORY CONTROL SAMPLE: 4712333

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0023	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4712334 4712335

Parameter	Units	92779989001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0023	0.0024	94	98	75-125	4	25	

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QUALITY CONTROL DATA

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

QC Batch: 917537
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779989007, 92779989008

METHOD BLANK: 4715919 Matrix: Water
Associated Lab Samples: 92779989007, 92779989008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00012	02/24/25 11:36	

LABORATORY CONTROL SAMPLE: 4715920

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0023	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4715921 4715922

Parameter	Units	92779987006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0023	0.0023	92	93	75-125	2	25	

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QUALITY CONTROL DATA

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

QC Batch: 917443
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779989001, 92779989002, 92779989003, 92779989004

METHOD BLANK: 4715340 Matrix: Water
Associated Lab Samples: 92779989001, 92779989002, 92779989003, 92779989004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/20/25 11:31	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/20/25 11:31	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/20/25 11:31	

LABORATORY CONTROL SAMPLE: 4715341

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.4	103	80-120	

LABORATORY CONTROL SAMPLE: 4715342

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.6	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4715343 4715344

Parameter	Units	92778538048 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	102	50	50	148	148	91	92	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4715345 4715346

Parameter	Units	92778538049 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	166	50	50	208	211	83	90	80-120	2	25	

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QUALITY CONTROL DATA

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

QC Batch: 918325
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779989007

METHOD BLANK: 4719412 Matrix: Water
Associated Lab Samples: 92779989007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/25/25 14:59	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/25/25 14:59	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/25/25 14:59	

LABORATORY CONTROL SAMPLE: 4719413

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.8	104	80-120	

LABORATORY CONTROL SAMPLE: 4719414

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4719415 4719416

Parameter	Units	92779983010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	143	50	50	191	193	97	100	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4719417 4719418

Parameter	Units	92779983011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	ND	50	50	51.6	51.6	102	102	80-120	0	25	

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QUALITY CONTROL DATA

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

QC Batch: 917012
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779989001, 92779989002, 92779989003, 92779989004

METHOD BLANK: 4712793 Matrix: Water
Associated Lab Samples: 92779989001, 92779989002, 92779989003, 92779989004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/18/25 17:54	

LABORATORY CONTROL SAMPLE: 4712794

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	244	98	90-110	

SAMPLE DUPLICATE: 4712795

Parameter	Units	92779374018 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	341	348	2	25	

SAMPLE DUPLICATE: 4712796

Parameter	Units	92779989003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	273	273	0	25	

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QUALITY CONTROL DATA

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

QC Batch: 917325
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779989005, 92779989006

METHOD BLANK: 4714805 Matrix: Water
Associated Lab Samples: 92779989005, 92779989006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/20/25 13:06	

LABORATORY CONTROL SAMPLE: 4714806

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	236	94	90-110	

SAMPLE DUPLICATE: 4714807

Parameter	Units	92779890006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	60.0	52.0	14	25	

SAMPLE DUPLICATE: 4714808

Parameter	Units	92779987005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	90.0	89.0	1	25	

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QUALITY CONTROL DATA

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

QC Batch: 917626
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779989007, 92779989008

METHOD BLANK: 4716350 Matrix: Water
Associated Lab Samples: 92779989007, 92779989008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/21/25 12:15	

LABORATORY CONTROL SAMPLE: 4716351

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	246	98	90-110	

SAMPLE DUPLICATE: 4716352

Parameter	Units	92779981004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	192	196	2	25	

SAMPLE DUPLICATE: 4716353

Parameter	Units	92779985006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	640	650	2	25	

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QUALITY CONTROL DATA

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

QC Batch: 916812
QC Batch Method: SM 4500-S2D-2011
Analysis Method: SM 4500-S2D-2011
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779989001, 92779989002, 92779989003, 92779989004

METHOD BLANK: 4711805 Matrix: Water
Associated Lab Samples: 92779989001, 92779989002, 92779989003, 92779989004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	02/19/25 01:43	

LABORATORY CONTROL SAMPLE: 4711806

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.55	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4711807 4711808

Parameter	Units	92779374016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.55	0.55	110	110	80-120	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4711809 4711810

Parameter	Units	92779989003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	0.025J	0.5	0.5	0.55	0.57	104	109	80-120	4	10	

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QUALITY CONTROL DATA

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

QC Batch: 916813
QC Batch Method: SM 4500-S2D-2011
Analysis Method: SM 4500-S2D-2011
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779989007

METHOD BLANK: 4711811 Matrix: Water
Associated Lab Samples: 92779989007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	02/19/25 01:58	

LABORATORY CONTROL SAMPLE: 4711812

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.55	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4711813 4711814

Parameter	Units	92779987004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.54	0.53	107	107	80-120	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4711815 4711816

Parameter	Units	92779977007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.52	0.55	104	110	80-120	6	10	

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QUALITY CONTROL DATA

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

QC Batch: 916738
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779989001, 92779989002, 92779989003, 92779989004, 92779989005, 92779989006

METHOD BLANK: 4711421 Matrix: Water
Associated Lab Samples: 92779989001, 92779989002, 92779989003, 92779989004, 92779989005, 92779989006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/17/25 22:58	
Fluoride	mg/L	ND	0.10	0.050	02/17/25 22:58	
Sulfate	mg/L	ND	1.0	0.50	02/17/25 22:58	

LABORATORY CONTROL SAMPLE: 4711422

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.3	101	90-110	
Fluoride	mg/L	2.5	2.5	99	90-110	
Sulfate	mg/L	50	50.4	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4711423 4711424

Parameter	Units	92779977001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	11.7	50	50	63.0	64.7	103	106	90-110	3	10	
Fluoride	mg/L	0.30	2.5	2.5	3.1	3.2	111	116	90-110	4	10	M1
Sulfate	mg/L	155	50	50	190	191	70	70	90-110	0	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4711425 4711426

Parameter	Units	92779987003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	2.8	50	50	53.8	56.7	102	108	90-110	5	10	
Fluoride	mg/L	0.093J	2.5	2.5	2.7	2.9	105	112	90-110	6	10	M1
Sulfate	mg/L	1.1	50	50	52.1	55.1	102	108	90-110	5	10	

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QUALITY CONTROL DATA

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

QC Batch: 916792
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779989007, 92779989008

METHOD BLANK: 4711732 Matrix: Water
Associated Lab Samples: 92779989007, 92779989008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/18/25 02:03	
Fluoride	mg/L	ND	0.10	0.050	02/18/25 02:03	
Sulfate	mg/L	ND	1.0	0.50	02/18/25 02:03	

LABORATORY CONTROL SAMPLE: 4711733

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.6	101	90-110	
Fluoride	mg/L	2.5	2.5	98	90-110	
Sulfate	mg/L	50	50.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4711736 4711737

Parameter	Units	92779987014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	50	50	51.2	52.1	102	104	90-110	2	10	
Fluoride	mg/L	ND	2.5	2.5	2.6	2.5	105	100	90-110	5	10	
Sulfate	mg/L	ND	50	50	50.5	51.4	101	103	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4711738 4711739

Parameter	Units	92779989007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	8.5	50	50	59.4	62.2	102	107	90-110	5	10	
Fluoride	mg/L	0.10	2.5	2.5	2.6	2.7	101	106	90-110	4	10	
Sulfate	mg/L	94.5	50	50	123	121	57	53	90-110	2	10	M1

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QUALITY CONTROL DATA

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

QC Batch: 921054
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92779989001, 92779989002, 92779989003, 92779989004, 92779989006, 92779989007, 92779989008

METHOD BLANK: 4732998 Matrix: Water
Associated Lab Samples: 92779989001, 92779989002, 92779989003, 92779989004, 92779989006, 92779989007, 92779989008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00050	03/13/25 08:35	
Arsenic	mg/L	ND	0.0050	0.0012	03/13/25 08:35	
Barium	mg/L	ND	0.0050	0.0012	03/13/25 08:35	
Beryllium	mg/L	ND	0.00050	0.00015	03/13/25 08:35	
Boron	mg/L	ND	0.040	0.0062	03/13/25 08:35	
Cadmium	mg/L	ND	0.00050	0.00012	03/13/25 08:35	
Calcium	mg/L	ND	1.0	0.10	03/13/25 08:35	
Chromium	mg/L	ND	0.0050	0.0012	03/13/25 08:35	
Cobalt	mg/L	ND	0.0050	0.0012	03/13/25 08:35	
Iron	mg/L	ND	0.040	0.012	03/13/25 08:35	
Lead	mg/L	ND	0.0010	0.00025	03/13/25 08:35	
Magnesium	mg/L	ND	0.050	0.010	03/13/25 08:35	
Manganese	mg/L	ND	0.040	0.0012	03/13/25 08:35	
Molybdenum	mg/L	ND	0.010	0.0025	03/13/25 08:35	
Potassium	mg/L	ND	0.50	0.10	03/13/25 08:35	
Selenium	mg/L	ND	0.0050	0.0012	03/13/25 08:35	
Sodium	mg/L	ND	1.0	0.15	03/13/25 08:35	
Thallium	mg/L	ND	0.0010	0.00015	03/13/25 08:35	

LABORATORY CONTROL SAMPLE: 4732999

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.097	97	80-120	
Arsenic	mg/L	0.1	0.10	100	80-120	
Barium	mg/L	0.1	0.10	103	80-120	
Beryllium	mg/L	0.1	0.093	93	80-120	
Boron	mg/L	0.1	0.10	100	80-120	
Cadmium	mg/L	0.1	0.096	96	80-120	
Calcium	mg/L	1	1.1	111	80-120	
Chromium	mg/L	0.1	0.11	108	80-120	
Cobalt	mg/L	0.1	0.11	111	80-120	
Iron	mg/L	1	1.1	110	80-120	
Lead	mg/L	0.1	0.11	111	80-120	
Magnesium	mg/L	1	1.1	108	80-120	
Manganese	mg/L	0.1	0.11	111	80-120	
Molybdenum	mg/L	0.1	0.10	100	80-120	
Potassium	mg/L	1	1.1	109	80-120	
Selenium	mg/L	0.1	0.091	91	80-120	
Sodium	mg/L	1	1.0	101	80-120	

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QUALITY CONTROL DATA

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

LABORATORY CONTROL SAMPLE: 4732999

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Thallium	mg/L	0.1	0.11	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4733000 4733001

Parameter	Units	92779977007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20	
Arsenic	mg/L	ND	0.1	0.1	0.096	0.096	96	96	75-125	0	20	
Barium	mg/L	0.048	0.1	0.1	0.15	0.15	103	103	75-125	0	20	
Beryllium	mg/L	0.00017J	0.1	0.1	0.097	0.097	97	97	75-125	0	20	
Boron	mg/L	1.4	0.1	0.1	1.6	1.5	167	69	75-125	6	20	M1
Cadmium	mg/L	0.00022J	0.1	0.1	0.10	0.10	101	100	75-125	1	20	
Calcium	mg/L	83.3	1	1	87.0	88.6	373	537	75-125	2	20	M1
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	102	101	75-125	1	20	
Cobalt	mg/L	0.0021J	0.1	0.1	0.10	0.10	101	101	75-125	0	20	
Iron	mg/L	0.023J	1	1	1.0	1.0	99	99	75-125	0	20	
Lead	mg/L	ND	0.1	0.1	0.10	0.10	100	101	75-125	1	20	
Magnesium	mg/L	11.7	1	1	12.6	12.7	89	97	75-125	1	20	
Manganese	mg/L	0.39J	0.1	0.1	0.51	0.51	121	117	75-125	1	20	
Molybdenum	mg/L	0.17	0.1	0.1	0.27	0.27	107	106	75-125	0	20	
Potassium	mg/L	5.6	1	1	6.7	6.8	104	119	75-125	2	20	
Selenium	mg/L	ND	0.1	0.1	0.097	0.097	97	96	75-125	1	20	
Sodium	mg/L	8.6	1	1	9.8	9.8	120	120	75-125	0	20	
Thallium	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	0	20	

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QUALITY CONTROL DATA

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

QC Batch: 922646
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92779989005

METHOD BLANK: 4740655 Matrix: Water
Associated Lab Samples: 92779989005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00050	03/20/25 10:00	
Arsenic	mg/L	ND	0.0050	0.0012	03/20/25 10:00	
Barium	mg/L	ND	0.0050	0.0012	03/20/25 10:00	
Beryllium	mg/L	ND	0.00050	0.00015	03/20/25 10:00	
Boron	mg/L	ND	0.040	0.0062	03/20/25 16:38	
Cadmium	mg/L	ND	0.00050	0.00012	03/20/25 10:00	
Calcium	mg/L	ND	1.0	0.10	03/20/25 10:00	
Chromium	mg/L	ND	0.0050	0.0012	03/20/25 10:00	
Cobalt	mg/L	ND	0.0050	0.0012	03/20/25 10:00	
Lead	mg/L	ND	0.0010	0.00025	03/20/25 10:00	
Molybdenum	mg/L	ND	0.010	0.0025	03/20/25 10:00	
Selenium	mg/L	ND	0.0050	0.0012	03/20/25 10:00	
Thallium	mg/L	ND	0.0010	0.00015	03/20/25 10:00	

LABORATORY CONTROL SAMPLE: 4740656

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.099	99	80-120	
Arsenic	mg/L	0.1	0.10	103	80-120	
Barium	mg/L	0.1	0.098	98	80-120	
Beryllium	mg/L	0.1	0.10	103	80-120	
Boron	mg/L	0.1	0.099	99	80-120	
Cadmium	mg/L	0.1	0.099	99	80-120	
Calcium	mg/L	1	1.0	105	80-120	
Chromium	mg/L	0.1	0.10	102	80-120	
Cobalt	mg/L	0.1	0.11	106	80-120	
Lead	mg/L	0.1	0.11	106	80-120	
Molybdenum	mg/L	0.1	0.099	99	80-120	
Selenium	mg/L	0.1	0.10	102	80-120	
Thallium	mg/L	0.1	0.10	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4740667 4740668

Parameter	Units	92779989005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.096	0.097	96	97	75-125	0	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	101	100	75-125	1	20	

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QUALITY CONTROL DATA

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4740667 4740668

Parameter	Units	92779989005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	mg/L	ND	0.1	0.1	0.098	0.098	98	97	75-125	0	20	
Beryllium	mg/L	ND	0.1	0.1	0.10	0.10	102	100	75-125	2	20	
Boron	mg/L	ND	0.1	0.1	0.099	0.098	99	98	75-125	1	20	
Cadmium	mg/L	ND	0.1	0.1	0.099	0.099	99	99	75-125	0	20	
Calcium	mg/L	ND	1	1	1.0	1.0	104	101	75-125	3	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	101	102	75-125	1	20	
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	104	104	75-125	0	20	
Lead	mg/L	ND	0.1	0.1	0.10	0.10	104	102	75-125	2	20	
Molybdenum	mg/L	ND	0.1	0.1	0.097	0.098	97	98	75-125	0	20	
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.097	0.098	97	98	75-125	2	20	

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QUALIFIERS

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1g	This analyte is being reported from a diluted analysis since the original undiluted analysis was bracketed by a CCV that was outside 6020B acceptance limits. The reporting limit has been adjusted accordingly.
J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92779989001	**HAM-HGWA-1**	3015	2469175	EPA 6020B	2469175
92779989002	**HAM-HGWA-3**	3015	2469158	EPA 6020B	2469158
92779989003	**HAM-HGWA-43D**	3015	2469158	EPA 6020B	2469158
92779989004	**HAM-HGWA-44D**	3015	2469158	EPA 6020B	2469158
92779989005	**HAM-UGRD-EB-01**	3015	2476791	EPA 6020B	2476791
92779989006	**HAM-UGRD-FB-01**	3015	2469158	EPA 6020B	2469158
92779989007	**HAM-HGWA-2**	3015	2469158	EPA 6020B	2469158
92779989008	**HAM-UGRD-FD-01**	3015	2469158	EPA 6020B	2469158
92779989001	**HAM-HGWA-1**	EPA 7470A	916942	EPA 7470A	917067
92779989002	**HAM-HGWA-3**	EPA 7470A	916942	EPA 7470A	917067
92779989003	**HAM-HGWA-43D**	EPA 7470A	916942	EPA 7470A	917067
92779989004	**HAM-HGWA-44D**	EPA 7470A	916942	EPA 7470A	917067
92779989005	**HAM-UGRD-EB-01**	EPA 7470A	916942	EPA 7470A	917067
92779989006	**HAM-UGRD-FB-01**	EPA 7470A	916942	EPA 7470A	917067
92779989007	**HAM-HGWA-2**	EPA 7470A	917537	EPA 7470A	917800
92779989008	**HAM-UGRD-FD-01**	EPA 7470A	917537	EPA 7470A	917800
92779989001	**HAM-HGWA-1**	SM 2320B-2011	917443		
92779989002	**HAM-HGWA-3**	SM 2320B-2011	917443		
92779989003	**HAM-HGWA-43D**	SM 2320B-2011	917443		
92779989004	**HAM-HGWA-44D**	SM 2320B-2011	917443		
92779989007	**HAM-HGWA-2**	SM 2320B-2011	918325		
92779989001	**HAM-HGWA-1**	SM 2540C-2015	917012		
92779989002	**HAM-HGWA-3**	SM 2540C-2015	917012		
92779989003	**HAM-HGWA-43D**	SM 2540C-2015	917012		
92779989004	**HAM-HGWA-44D**	SM 2540C-2015	917012		
92779989005	**HAM-UGRD-EB-01**	SM 2540C-2015	917325		
92779989006	**HAM-UGRD-FB-01**	SM 2540C-2015	917325		
92779989007	**HAM-HGWA-2**	SM 2540C-2015	917626		
92779989008	**HAM-UGRD-FD-01**	SM 2540C-2015	917626		
92779989001	**HAM-HGWA-1**	SM 4500-S2D-2011	916812		
92779989002	**HAM-HGWA-3**	SM 4500-S2D-2011	916812		
92779989003	**HAM-HGWA-43D**	SM 4500-S2D-2011	916812		
92779989004	**HAM-HGWA-44D**	SM 4500-S2D-2011	916812		
92779989007	**HAM-HGWA-2**	SM 4500-S2D-2011	916813		
92779989001	**HAM-HGWA-1**	EPA 300.0 Rev 2.1 1993	916738		
92779989002	**HAM-HGWA-3**	EPA 300.0 Rev 2.1 1993	916738		
92779989003	**HAM-HGWA-43D**	EPA 300.0 Rev 2.1 1993	916738		
92779989004	**HAM-HGWA-44D**	EPA 300.0 Rev 2.1 1993	916738		
92779989005	**HAM-UGRD-EB-01**	EPA 300.0 Rev 2.1 1993	916738		
92779989006	**HAM-UGRD-FB-01**	EPA 300.0 Rev 2.1 1993	916738		
92779989007	**HAM-HGWA-2**	EPA 300.0 Rev 2.1 1993	916792		
92779989008	**HAM-UGRD-FD-01**	EPA 300.0 Rev 2.1 1993	916792		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hammond Pooled Upgradient
Pace Project No.: 92779989

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92779989001	**HAM-HGWA-1**	EPA 3005A	921054	EPA 6020B	921709
92779989002	**HAM-HGWA-3**	EPA 3005A	921054	EPA 6020B	921709
92779989003	**HAM-HGWA-43D**	EPA 3005A	921054	EPA 6020B	921709
92779989004	**HAM-HGWA-44D**	EPA 3005A	921054	EPA 6020B	921709
92779989005	**HAM-UGRD-EB-01**	EPA 3005A	922646	EPA 6020B	923912
92779989006	**HAM-UGRD-FB-01**	EPA 3005A	921054	EPA 6020B	921709
92779989007	**HAM-HGWA-2**	EPA 3005A	921054	EPA 6020B	921709
92779989008	**HAM-UGRD-FD-01**	EPA 3005A	921054	EPA 6020B	921709

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Pace

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

aboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mech... ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO# : 92779989

92779989

Courier: ☐ Commercial ☐ Fed Ex ☑ Pace ☐ UPS ☐ USPS ☐ Other:____ ☐ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 2/14/25 LDH

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 1.8 Correction Factor: Add/Subtract (°C) -0.1

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

Cooler Temp Corrected (°C): 1.9

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

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

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

Field Data Required? ☐ Yes ☐ No

MMENTS/SAMPLE DISCREPANCY

Lot ID of split containers:

NT NOTIFICATION/RESOLUTION

son contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

iltrax ID: 69614

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO# : 92779989

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project # PM: BV Due Date: 03/03/25
CLIENT: 92- GP-HAM

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client _____ Profile/EZ (Circle one) _____ Notes _____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AGDU-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																												
1		2	1		2	2	1																					
2		2	1			2	1																					
3		2	1		2	2	1																					
4		2	1		2	2	1																					
5		1	1		2	2																						
6		1	1		2	2																						
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pH Adjustment Log for Preserved Samples

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

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

Daltrax ID: 69614

WO# : 92779989

PM: BV **Due Date: 03/03/25**

CLIENT: 92- GP-HAM

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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.

Page: 1 of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	GA Power	Report To:	SCS Contacts	Attention:	Southern Co.
Address:	Atlanta, GA	Copy To:	Geosyntec Contacts	Company Name:	
				Address:	
Email To:	SCS Contacts	Purchase Order No.:		Pace Quote Reference:	
Phone:	Fax:	Project Name:	Plant Hammond Pooled Upgradient	Pace Project Manager:	Bonnie Vang
Requested Due Date/TAT:	10 Day	Project Number:		Pace Profile #:	10839

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER

UST | RCRA | ✓ OTHER ~~CCR~~

Site Location STATE: GA

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX / CODE: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: Chloride, Fluoride, Sulfate	Full Acp. III and IV metals	RAD 226/228	TDS	Major Ions (Profile 10839-2)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92779989
1	HAM-HGWA-1		WG	G	2/12/2025	1338			16	8	3		4		1			N	X	X	X	X	X	N	001
2	HAM-HGWA-3		WG	G	2/12/2025	1430			16	6	3		2		1			N	X	X		X	X	N	Radium sent on separate COC 002
3	HAM-HGWA-43D		WG	G	2/12/2025	1450			16	8	3		4		1			N	X	X	X	X	X	N	limited volume for Alkalinity 003
4	HAM-HGWA-44D		WG	G	2/12/2025	1542			15	8	3		4		1			N	X	X	X	X	X	N	004
5	HAM-UGRD-EB-01		WG	G	2/13/2025	1730			15	6	2		4					N	X	X	X	X		N	Matrix = WQ 005
6	HAM-UGRD-FB-01		WG	G	2/13/2025	1725			15	6	2		4					N	X	X	X	X		N	Matrix = WQ 006
7																										
8																										
9																										
10																										
11																										
12																										

2/12/13/25

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Task Code: HAM-CCR-ASSMT-2025S1(1)	Zain Webb / Geosyntec	2-14-25	1340	Ryan Williams / Pace	2-14-25	1340	
	Ryan Williams / Pace	2/14/25	1610	Chandler Hunt	2/14/25	1610	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Amanda Tomlinson, Zain Webb, Thomas Kessler / Geosyntec Consultants,

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 2-13-25

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

Courier: ☐ Commercial ☐ FedEx ☑ Pace ☐ UPS ☐ USPS ☐ Other:____ ☐ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 2/17/25 CH

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☐ N/A

Thermometer: ☑ IR Gun ID: 083 Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 1.7 Correction Factor: Add/Subtract (°C) -0.1

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

Cooler Temp Corrected (°C): 1.8

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

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

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

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BPN	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		2	1		2*		2*	1*																						
2					2*																									
3		1	1		2*		2*																							
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pH Adjustment Log for Preserved Samples

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

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

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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.

Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: GA Power	Report To: SCS Contacts	Attention: Southern Co.
Address: Atlanta, GA	Copy To: Geosyntec Contacts	Company Name:
		Address:
Email To: SCS Contacts	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name: Plant Hammond Pooled Upgradient	Pace Project Manager: Bonnie Vang
Requested Due Date/TAT: 10 Day	Project Number:	Pace Profile #: 10839

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA ✓ OTHER CCR

Site Location STATE: GA

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END DATE	COLLECTED COMPOSITE END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Chloride, Fluoride, Sulfate	Full App. III and IV metals	RAD 226/228	TDS	Major Ions (Profile 10839-2)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																		Requested Analysis Filtered (Y/N)	N	N	N	N				
1	HAM-HGWA-2	WG	G	2/14/2025	0920			16	8	3		4		1					X	X	X	X	X	N	92779989 007
2	HAM-HGWA-3	WG	G	2/14/2025	1107			16	2			2									X			N	Last Sample
3	HAM-UGRD-FD-01	WG	G	2/14/2025	0000			16	6	2		4							X	X	X	X		N	008
4																									
5																									
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12																									

ART 2/16/2025

ART 2/16/2025

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Task Code: HAM-CCR-ASSMT-2025S1	Zain Webb / Geosyntec	2-17-25	1230	Ryan Williams / Pace	2/17/2025	1230	
	Ryan Williams / Pace	2/17/2025	1445		2/17/25	1445	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Amanda Tominson, Zain Webb, Thomas Kessler / Geosyntec Consultants, Inc.

SIGNATURE of SAMPLER: Zain Webb (AT) (TK) DATE Signed (MM/DD/YY): 2-17-25

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-Feb-2007

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

March 13, 2025

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Hammond Pooled Upgradient-RAD
Pace Project No.: 92779992

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory between February 14, 2025 and February 17, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

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

Sincerely,

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

Enclosures

cc: Kip Gray, Geosyntec
Christine Hug, Geosyntec Consultants, Inc.
Thomas Kessler, Geosyntec Consultants
Whitney Law, Geosyntec Consultants
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec Consultants, Inc
Jamie Newsome, Geosyntec Consultants
Zain Webb, Geosyntec Consultants

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Hammond Pooled Upgradient-RAD
Pace Project No.: 92779992

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Hammond Pooled Upgradient-RAD
Pace Project No.: 92779992

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92779992001	**HAM-HGWA-1**	Water	02/12/25 13:38	02/14/25 16:10
92779992002	**HAM-HGWA-43D**	Water	02/12/25 14:50	02/14/25 16:10
92779992003	**HAM-HGWA-44D**	Water	02/12/25 15:42	02/14/25 16:10
92779992004	**HAM-UGRD-EB-01**	Water	02/13/25 17:30	02/14/25 16:10
92779992005	**HAM-UGRD-FB-01**	Water	02/13/25 17:25	02/14/25 16:10
92779992006	**HAM-HGWA-2**	Water	02/14/25 09:20	02/17/25 14:45
92779992007	**HAM-HGWA-3**	Water	02/14/25 11:07	02/17/25 14:45
92779992008	**HAM-UGRD-FD-01**	Water	02/14/25 00:00	02/17/25 14:45

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Hammond Pooled Upgradient-RAD
Pace Project No.: 92779992

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92779992001	**HAM-HGWA-1**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779992002	**HAM-HGWA-43D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779992003	**HAM-HGWA-44D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779992004	**HAM-UGRD-EB-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779992005	**HAM-UGRD-FB-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779992006	**HAM-HGWA-2**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779992007	**HAM-HGWA-3**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779992008	**HAM-UGRD-FD-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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Huntersville, NC 28078
(704)875-9092

SUMMARY OF DETECTION

Project: Hammond Pooled Upgradient-RAD
Pace Project No.: 92779992

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92779992001	**HAM-HGWA-1**					
EPA 9315	Radium-226	0.226U ± 0.230 (0.456) C:63% T:NA	pCi/L		03/11/25 09:55	
EPA 9320	Radium-228	0.398U ± 0.429 (0.896) C:73% T:84%	pCi/L		03/10/25 11:58	
Total Radium Calculation	Total Radium	0.624U ± 0.659 (1.35)	pCi/L		03/11/25 15:09	
92779992002	**HAM-HGWA-43D**					
EPA 9315	Radium-226	0.0667U ± 0.224 (0.551) C:52% T:NA	pCi/L		03/11/25 08:22	
EPA 9320	Radium-228	0.557U ± 0.441 (0.877) C:74% T:76%	pCi/L		03/10/25 11:58	
Total Radium Calculation	Total Radium	0.624U ± 0.665 (1.43)	pCi/L		03/11/25 15:09	
92779992003	**HAM-HGWA-44D**					
EPA 9315	Radium-226	0.269U ± 0.221 (0.430) C:100% T:NA	pCi/L		03/11/25 08:22	
EPA 9320	Radium-228	0.353U ± 0.501 (1.08) C:74% T:79%	pCi/L		03/10/25 11:58	
Total Radium Calculation	Total Radium	0.622U ± 0.722 (1.51)	pCi/L		03/11/25 15:09	
92779992004	**HAM-UGRD-EB-01**					
EPA 9315	Radium-226	0.0565U ± 0.227 (0.553) C:74% T:NA	pCi/L		03/11/25 08:23	
EPA 9320	Radium-228	0.601U ± 0.435 (0.855) C:77% T:88%	pCi/L		03/10/25 11:58	
Total Radium Calculation	Total Radium	0.658U ± 0.662 (1.41)	pCi/L		03/11/25 15:09	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Hammond Pooled Upgradient-RAD
Pace Project No.: 92779992

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92779992005	**HAM-UGRD-FB-01**					
EPA 9315	Radium-226	0.119U ± 0.237 (0.546) C:83% T:NA	pCi/L		03/11/25 08:23	
EPA 9320	Radium-228	0.998U ± 0.566 (1.04) C:72% T:75%	pCi/L		03/10/25 15:00	
Total Radium Calculation	Total Radium	1.12U ± 0.803 (1.59)	pCi/L		03/11/25 15:09	
92779992006	**HAM-HGWA-2**					
EPA 9315	Radium-226	0.294U ± 0.267 (0.531) C:72% T:NA	pCi/L		03/11/25 08:23	
EPA 9320	Radium-228	0.907U ± 0.509 (0.929) C:71% T:80%	pCi/L		03/10/25 15:00	
Total Radium Calculation	Total Radium	1.20U ± 0.776 (1.46)	pCi/L		03/11/25 15:09	
92779992007	**HAM-HGWA-3**					
EPA 9315	Radium-226	0.100U ± 0.145 (0.310) C:81% T:NA	pCi/L		03/11/25 10:00	
EPA 9320	Radium-228	0.506U ± 0.572 (1.21) C:71% T:76%	pCi/L		03/10/25 15:00	
Total Radium Calculation	Total Radium	0.606U ± 0.717 (1.52)	pCi/L		03/11/25 15:09	
92779992008	**HAM-UGRD-FD-01**					
EPA 9315	Radium-226	0.401 ± 0.236 (0.356) C:72% T:NA	pCi/L		03/11/25 10:00	
EPA 9320	Radium-228	1.30 ± 0.581 (0.983) C:75% T:82%	pCi/L		03/10/25 15:00	
Total Radium Calculation	Total Radium	1.70 ± 0.817 (1.34)	pCi/L		03/11/25 15:09	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond Pooled Upgradient-RAD
Pace Project No.: 92779992

Sample: HAM-HGWA-1 **Lab ID: 92779992001** Collected: 02/12/25 13:38 Received: 02/14/25 16:10 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	**0.226U ± 0.230 (0.456) C:63% T:NA**	pCi/L	03/11/25 09:55	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.398U ± 0.429 (0.896) C:73% T:84%**	pCi/L	03/10/25 11:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.624U ± 0.659 (1.35)**	pCi/L	03/11/25 15:09	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond Pooled Upgradient-RAD
Pace Project No.: 92779992

Sample: HAM-HGWA-43D **Lab ID: 92779992002** Collected: 02/12/25 14:50 Received: 02/14/25 16:10 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	**0.0667U ± 0.224 (0.551) C:52% T:NA**	pCi/L	03/11/25 08:22	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.557U ± 0.441 (0.877) C:74% T:76%**	pCi/L	03/10/25 11:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.624U ± 0.665 (1.43)**	pCi/L	03/11/25 15:09	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond Pooled Upgradient-RAD
Pace Project No.: 92779992

Sample: HAM-HGWA-44D **Lab ID: 92779992003** Collected: 02/12/25 15:42 Received: 02/14/25 16:10 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	**0.269U ± 0.221 (0.430) C:100% T:NA**	pCi/L	03/11/25 08:22	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.353U ± 0.501 (1.08) C:74% T:79%**	pCi/L	03/10/25 11:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.622U ± 0.722 (1.51)**	pCi/L	03/11/25 15:09	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond Pooled Upgradient-RAD
Pace Project No.: 92779992

Sample: HAM-UGRD-EB-01 **Lab ID: 92779992004** Collected: 02/13/25 17:30 Received: 02/14/25 16:10 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	**0.0565U ± 0.227 (0.553) C:74% T:NA**	pCi/L	03/11/25 08:23	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.601U ± 0.435 (0.855) C:77% T:88%**	pCi/L	03/10/25 11:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.658U ± 0.662 (1.41)**	pCi/L	03/11/25 15:09	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond Pooled Upgradient-RAD
Pace Project No.: 92779992

Sample: HAM-UGRD-FB-01 **Lab ID: 92779992005** Collected: 02/13/25 17:25 Received: 02/14/25 16:10 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	**0.119U ± 0.237 (0.546) C:83% T:NA**	pCi/L	03/11/25 08:23	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.998U ± 0.566 (1.04) C:72% T:75%**	pCi/L	03/10/25 15:00	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.12U ± 0.803 (1.59)**	pCi/L	03/11/25 15:09	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond Pooled Upgradient-RAD
Pace Project No.: 92779992

Sample: HAM-HGWA-2 **Lab ID: 92779992006** Collected: 02/14/25 09:20 Received: 02/17/25 14:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.294U ± 0.267 (0.531) C:72% T:NA**	pCi/L	03/11/25 08:23	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.907U ± 0.509 (0.929) C:71% T:80%**	pCi/L	03/10/25 15:00	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.20U ± 0.776 (1.46)**	pCi/L	03/11/25 15:09	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond Pooled Upgradient-RAD
Pace Project No.: 92779992

Sample: HAM-HGWA-3 **Lab ID: 92779992007** Collected: 02/14/25 11:07 Received: 02/17/25 14:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.100U ± 0.145 (0.310) C:81% T:NA**	pCi/L	03/11/25 10:00	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.506U ± 0.572 (1.21) C:71% T:76%**	pCi/L	03/10/25 15:00	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.606U ± 0.717 (1.52)**	pCi/L	03/11/25 15:09	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond Pooled Upgradient-RAD
Pace Project No.: 92779992

Sample: HAM-UGRD-FD-01 **Lab ID: 92779992008** Collected: 02/14/25 00:00 Received: 02/17/25 14:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.401 ± 0.236 (0.356) C:72% T:NA**	pCi/L	03/11/25 10:00	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.30 ± 0.581 (0.983) C:75% T:82%**	pCi/L	03/10/25 15:00	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.70 ± 0.817 (1.34)**	pCi/L	03/11/25 15:09	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Hammond Pooled Upgradient-RAD
Pace Project No.: 92779992

QC Batch: 728168 Analysis Method: EPA 9315
QC Batch Method: EPA 9315 Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92779992001, 92779992002, 92779992003, 92779992004, 92779992005, 92779992006, 92779992007, 92779992008

METHOD BLANK: 3544497 Matrix: Water
Associated Lab Samples: 92779992001, 92779992002, 92779992003, 92779992004, 92779992005, 92779992006, 92779992007, 92779992008

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.652 ± 0.323 (0.458) C:64% T:NA	pCi/L	03/11/25 08:21	

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

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Hammond Pooled Upgradient-RAD
Pace Project No.: 92779992

QC Batch: 728170 Analysis Method: EPA 9320
QC Batch Method: EPA 9320 Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92779992001, 92779992002, 92779992003, 92779992004, 92779992005, 92779992006, 92779992007, 92779992008

METHOD BLANK: 3544499 Matrix: Water
Associated Lab Samples: 92779992001, 92779992002, 92779992003, 92779992004, 92779992005, 92779992006, 92779992007, 92779992008

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.679 ± 0.418 (0.785) C:74% T:86%	pCi/L	03/10/25 11:58	

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

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QUALIFIERS

Project: Hammond Pooled Upgradient-RAD
Pace Project No.: 92779992

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

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

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hammond Pooled Upgradient-RAD
Pace Project No.: 92779992

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92779992001	**HAM-HGWA-1**	EPA 9315	728168		
92779992002	**HAM-HGWA-43D**	EPA 9315	728168		
92779992003	**HAM-HGWA-44D**	EPA 9315	728168		
92779992004	**HAM-UGRD-EB-01**	EPA 9315	728168		
92779992005	**HAM-UGRD-FB-01**	EPA 9315	728168		
92779992006	**HAM-HGWA-2**	EPA 9315	728168		
92779992007	**HAM-HGWA-3**	EPA 9315	728168		
92779992008	**HAM-UGRD-FD-01**	EPA 9315	728168		
92779992001	**HAM-HGWA-1**	EPA 9320	728170		
92779992002	**HAM-HGWA-43D**	EPA 9320	728170		
92779992003	**HAM-HGWA-44D**	EPA 9320	728170		
92779992004	**HAM-UGRD-EB-01**	EPA 9320	728170		
92779992005	**HAM-UGRD-FB-01**	EPA 9320	728170		
92779992006	**HAM-HGWA-2**	EPA 9320	728170		
92779992007	**HAM-HGWA-3**	EPA 9320	728170		
92779992008	**HAM-UGRD-FD-01**	EPA 9320	728170		
92779992001	**HAM-HGWA-1**	Total Radium Calculation	732070		
92779992002	**HAM-HGWA-43D**	Total Radium Calculation	732070		
92779992003	**HAM-HGWA-44D**	Total Radium Calculation	732070		
92779992004	**HAM-UGRD-EB-01**	Total Radium Calculation	732070		
92779992005	**HAM-UGRD-FB-01**	Total Radium Calculation	732070		
92779992006	**HAM-HGWA-2**	Total Radium Calculation	732070		
92779992007	**HAM-HGWA-3**	Total Radium Calculation	732070		
92779992008	**HAM-UGRD-FD-01**	Total Radium Calculation	732070		

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DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO# : 92779992

92779992

Courier: ☐ Commercial ☐ Fed Ex ☑ Pace ☐ UPS ☐ USPS ☐ Other: ☐ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 2/14/25 LDH

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 1.8 Correction Factor: Add/Subtract (°C) -0.1

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

Cooler Temp Corrected (°C): 1.9

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

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

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

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Ultrax ID: 69614

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO# : 92779992

PM: BV Due Date: 03/10/25

CLIENT: 92- GP-HAM

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH4)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																													
1		2	1		2	2	1																						
2		2	1			2	1																						
3		2	1		2	2	1																						
4		2	1		2	2	1																						
5		1	1		2	2																							
6		1	1		2	2																							
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

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

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

Jaltrax ID: 69614

WO#: 92779992

PM: BV **Due Date: 03/10/25**

CLIENT: 92- GP-HAM

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	GA Power	Report To:	SCS Contacts	Attention:	Southern Co.
Address:	Atlanta, GA	Copy To:	Geosyntec Contacts	Company Name:	
				Address:	
Email To:	SCS Contacts	Purchase Order No.:		Pace Quote Reference:	
Phone:	Fax:	Project Name:	Plant Hammond Pooled Upgradient	Pace Project Manager:	Bonnie Vang
Requested Due Date/TAT:	10 Day	Project Number:		Pace Profile #:	10839

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER

UST | RCRA | ✓ OTHER CCR

Site Location STATE: GA

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	COMPOSITE DATE	COMPOSITE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Chloride, Fluoride, Sulfate	Full Acp. III and IV metals	RAD 226/228	TDS	Major Ions (Profile 10839-2)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																			Y/N	N	N	N	N			
1	HAM-HGWA-1		WG	G	2/12/2025	1338				16	8	3		4		1				X	X	X	X	X	N	001
2	HAM-HGWA-3		WG	G	2/12/2025	1430				16	6	3		2		1				X	X		X	X	N	Radium sent on separate COC
3	HAM-HGWA-43D		WG	G	2/12/2025	1450				16	8	3		4		1				X	X	X	X	X	N	002 limited volume for Alkalinity
4	HAM-HGWA-44D		WG	G	2/12/2025	1542				15	8	3		4		1				X	X	X	X	X	N	003
5	HAM-UGRD-EB-01		WG	G	2/13/2025	1730				15	6	2		4						X	X	X	X		N	Matrix = WQ 004
6	HAM-UGRD-FB-01		WG	G	2/13/2025	1725				15	6	2		4						X	X	X	X		N	Matrix = WQ 005
7																										
8																										
9																										
10																										
11																										
12																										

2/12-2/13/25

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Task Code: HAM-CCR-ASSMT-2025S1(1)	Zain Webb / Geosyntec	2-14-25	1340	Ryan Williams / Pace	2/14/25	1340	
	Ryan Williams / Pace	2/14/25	1610	Amanda Tomlinson / Geosyntec	2/14/25	1610	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Amanda Tomlinson, Zain Webb, Thomas Kessler / Geosyntec Consultants,

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2-13-25

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

Courier: ☐ Commercial ☐ FedEx ☑ Pace ☐ UPS ☐ USPS ☐ Other:____ ☐ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 2/17/25 CH

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☐ N/A

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 1.7 Correction Factor: Add/Subtract (°C) +0.1

Cooler Temp Corrected (°C): 1.8

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

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

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

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

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9T-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																													
1		2	1		2	2	1																						
2					2																								
3		1	1		2	2																							
4																													
5																													
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11																													
12																													

pH Adjustment Log for Preserved Samples

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

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

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: GA Power	Report To: SCS Contacts	Attention: Southern Co.
Address: Atlanta, GA	Copy To: Geosyntec Contacts	Company Name:
		Address:
Email To: SCS Contacts	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name: Plant Hammond Pooled Upgradient	Pace Project Manager: Bonnie Vang
Requested Due Date/TAT: 10 Day	Project Number:	Pace Profile #: 10839

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA ✓ OTHER CCR

Site Location STATE: GA

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END DATE	COLLECTED COMPOSITE END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Chloride, Fluoride, Sulfate	Full App. III and IV metals	RAD 226/228	TDS	Major Ions (Profile 10839-2)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	HAM-HGWA-2	WG	G	2/14/2025	0920				16	8	3		4		1				X	X	X	X	X	N	006
2	HAM-HGWA-3	WG	G	2/14/2025	1107				16	2			2								X			N	Last Sample 007
3	HAM-UGRD-FD-01	WG	G	2/14/2025	0000				16	6	2		4						X	X	X	X		N	008
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ART 2/16/2025

ART 2/16/2025

92779992

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Task Code: HAM-CCR-ASSMT-2025S1	Zain Webb / Geosyntec	2-17-25	1230	Ryan Williams / Pace	2/17/2025	1230	✓
	Ryan Williams / Pace	2/17/2025	1445		2/17/25	1445	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Amanda Tominson, Zain Webb, Thomas Kessler / Geosyntec Consultants, Inc.

SIGNATURE of SAMPLER: Zain Webb (AT) (TK) DATE Signed (MM/DD/YY): 2-17-25

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-228
Analyst:	VAL
Date:	3/3/2025
Worklist:	83720
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3544499
MB concentration:	0.679
M/B 2 Sigma CSU:	0.418
MB MDC:	0.785
MB Numerical Performance Indicator:	3.18
MB Status vs Numerical Indicator:	Fail*
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS83720	LCSD83720
Count Date:	3/10/2025	3/10/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	33.291	33.291
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.818	0.819
Target Conc. (pCi/L, g, F):	4.072	4.063
Uncertainty (Calculated):	0.200	0.199
Result (pCi/L, g, F):	4.052	4.826
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.964	1.108
Numerical Performance Indicator:	-0.04	1.33
Percent Recovery:	99.52%	118.77%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS83720	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD83720	
Sample Result (pCi/L, g, F):	4.052	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.964	
Sample Duplicate Result (pCi/L, g, F):	4.826	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.108	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-1.033	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	17.64%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

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

Comments:

~~*If the lowest activity sample in this batch is greater than ten times the blank value, the blank is acceptable; otherwise this batch must be re-prepped.~~ X MB activity < MDC, Pass

VAL 3/11/25

3/11/25

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	3/8/2025
Worklist:	83719
Matrix:	W

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3544497
MB concentration:	0.652
M/B 2 Sigma CSU:	0.323
MB MDC:	0.458
MB Numerical Performance Indicator:	3.95
MB Status vs Numerical Indicator:	Fail*
MB Status vs. MDC:	N/A

OK - less than RL

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS83719	LCSD83719
Count Date:	3/11/2025	3/11/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.014	25.014
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.506	0.507
Target Conc. (pCi/L, g, F):	4.945	4.936
Uncertainty (Calculated):	0.232	0.232
Result (pCi/L, g, F):	5.458	5.846
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.037	1.114
Numerical Performance Indicator:	0.95	1.57
Percent Recovery:	110.38%	118.45%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS83719	92779986008
Duplicate Sample I.D.	LCSD83719	92779986008DUP
Sample Result (pCi/L, g, F):	5.458	0.048
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.037	0.216
Sample Duplicate Result (pCi/L, g, F):	5.846	0.085
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.114	0.130
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-0.500	-0.291
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	7.06%	56.33%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

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

Comments:
*If the lowest activity ~~sample in this batch is greater than ten times the blank value, the blank is acceptable, otherwise this batch must be re-prepped.~~ OK less than RL

LAM 3/11/25

LAM 3/11/25

SLC 3/11/25

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

April 02, 2025

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Hammond AP-2
Pace Project No.: 92779981

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory between February 14, 2025 and March 10, 2025. 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 National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - West Columbia

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

Sincerely,

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

Enclosures

cc: Kip Gray, Geosyntec
Christine Hug, Geosyntec Consultants, Inc.
Thomas Kessler, Geosyntec Consultants
Whitney Law, Geosyntec Consultants
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec Consultants, Inc
Jamie Newsome, Geosyntec Consultants
Zain Webb, Geosyntec Consultants

REPORT OF LABORATORY ANALYSIS

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

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Hammond AP-2
Pace Project No.: 92779981

Pace Analytical Services National
12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services West Columbia
106 Vantage Point Drive, West Columbia, SC 29172
Alaska Dept. of Energy Conservation, Cert# 20-002
California ELAP, cert# 3049
DoD, DoD QSM V5.4, cert# I.2224
DOE, DoD/DOE QSM V5.4, cert# I.2224.01
Florida, Dept. of Health, cert# E87653-70
Georgia, Env. Protection Division, cert# E87653
Illinois, EPA NELAP, cert# 2000552024-9
Kansas, Dept. of Health and Environment, cert# E-10417
Kentucky, Dept. for Env. Protection, UST, cert# 103582
Kentucky, Dept. for Env. Protection, cert# 98037
Louisiana, Dept. of Environmental Quality, cert# 5125
North Carolina, DEQ, Water Resources, cert# 329
New Jersey, Dept. of Env. Protection, cert# NLC 240005
Oklahoma, Dept. of Env. Quality, cert# 2023-175
Oregon, ELAP, cert# 4181-006
Pennsylvania, Dept. of Env. Protection, cert# 003
South Carolina, Dept. of Env. Services, cert# 32010001
Texas, Commission on Env. Quality, cert# TX-C24-00083
Virginia, Dept. of General Services, cert# 13080
Wisconsin, Dept. of Natural Resources, cert# 399136100

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

SAMPLE SUMMARY

Project: Hammond AP-2
Pace Project No.: 92779981

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92779981001	**HAM-HGWA-4**	Water	02/12/25 12:47	02/14/25 16:10
92779981002	**HAM-HGWA-5**	Water	02/14/25 12:12	02/17/25 14:45
92779981003	**HAM-HGWA-6**	Water	02/14/25 13:25	02/17/25 14:45
92779981004	**HAM-HGWA-42D**	Water	02/14/25 15:08	02/17/25 14:45
92779981005	**HAM-HGWC-17**	Water	02/16/25 16:46	02/17/25 14:45
92779981006	**HAM-MW-33**	Water	02/16/25 15:14	02/17/25 14:45
92779981007	**HAM-AP2-EB-01**	Water	02/16/25 16:45	02/17/25 14:45
92779981008	**HAM-AP2-FB-01**	Water	02/16/25 16:40	02/17/25 14:45
92779981009	**HAM-HGWC-14**	Water	02/18/25 09:18	02/19/25 15:25
92779981010	**HAM-HGWC-15**	Water	02/17/25 13:45	02/19/25 15:25
92779981011	**HAM-HGWC-16**	Water	02/17/25 10:26	02/19/25 15:25
92779981012	**HAM-HGWC-18**	Water	02/18/25 09:47	02/19/25 15:25
92779981013	**HAM-MW-21D**	Water	02/18/25 12:12	02/19/25 15:25
92779981014	**HAM-MW-22**	Water	02/18/25 10:00	02/19/25 15:25
92779981015	**HAM-MW-23D**	Water	02/17/25 10:52	02/19/25 15:25
92779981016	**HAM-MW-34D**	Water	02/18/25 11:15	02/19/25 15:25
92779981017	**HAM-MW-37D**	Water	02/17/25 15:23	02/19/25 15:25
92779981018	**HAM-AP2-FD-01**	Water	02/17/25 00:00	02/19/25 15:25
92779981019	**HAM-AP2-FD-02**	Water	02/17/25 00:00	02/19/25 15:25
92779981020	**HAM-AP2-EB-02**	Water	02/17/25 17:40	02/19/25 15:25
92779981021	**HAM-AP2-FB-02**	Water	02/17/25 17:35	02/19/25 15:25
92779981022	**HAM-MW-35**	Water	03/06/25 13:38	03/10/25 12:45
92779981023	**HAM-MW-51**	Water	03/06/25 15:12	03/10/25 12:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Hammond AP-2
Pace Project No.: 92779981

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92779981001	**HAM-HGWA-4**	EPA 6020B	JPD	1	PAN
		EPA 7470A	TMM	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	CMW1	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92779981002	**HAM-HGWA-5**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	YEG	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92779981003	**HAM-HGWA-6**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	YEG	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92779981004	**HAM-HGWA-42D**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	YEG	3	PASI-A
		SM 2540C-2015	CDM	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92779981005	**HAM-HGWC-17**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	YEG	3	PASI-A
		SM 2540C-2015	CMW1	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92779981006	**HAM-MW-33**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A

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SAMPLE ANALYTE COUNT

Project: Hammond AP-2
Pace Project No.: 92779981

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2320B-2011	YEG	3	PASI-A
		SM 2540C-2015	CMW1	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92779981007	**HAM-AP2-EB-01**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2540C-2015	CMW1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
92779981008	**HAM-AP2-FB-01**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2540C-2015	CMW1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
92779981009	**HAM-HGWC-14**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92779981010	**HAM-HGWC-15**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	CDM	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92779981011	**HAM-HGWC-16**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	CDM	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92779981012	**HAM-HGWC-18**	EPA 6020B	JPD	1	PAN

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SAMPLE ANALYTE COUNT

Project: Hammond AP-2
Pace Project No.: 92779981

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92779981013	**HAM-MW-21D**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92779981014	**HAM-MW-22**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92779981015	**HAM-MW-23D**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	CDM	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92779981016	**HAM-MW-34D**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92779981017	**HAM-MW-37D**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2320B-2011	SMS	3	PASI-A

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SAMPLE ANALYTE COUNT

Project: Hammond AP-2
Pace Project No.: 92779981

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C-2015	CDM	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
92779981018	**HAM-AP2-FD-01**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2540C-2015	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
92779981019	**HAM-AP2-FD-02**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2540C-2015	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
92779981020	**HAM-AP2-EB-02**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2540C-2015	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
92779981021	**HAM-AP2-FB-02**	EPA 6020B	JPD	1	PAN
		EPA 7470A	MAB2	1	PASI-A
		SM 2540C-2015	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
92779981022	**HAM-MW-35**	EPA 6020B	JPD	1	PAN
		SM 2320B-2011	YEG	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC
		EPA 7470A	KJW	1	PASI-WC
92779981023	**HAM-MW-51**	EPA 6020B	JPD	1	PAN
		SM 2320B-2011	YEG	3	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		SM 4500-S2D-2011	JP1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1	18	PASI-WC

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SAMPLE ANALYTE COUNT

Project: Hammond AP-2
Pace Project No.: 92779981

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7470A	KJW	1	PASI-WC

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Hammond AP-2
Pace Project No.: 92779981

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92779981001	**HAM-HGWA-4**					
EPA 6020B	Lithium	0.00126J	mg/L	0.0300	03/12/25 15:00	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	25.5	mg/L	5.0	02/20/25 14:12	
SM 2320B-2011	Alkalinity, Total as CaCO3	25.5	mg/L	5.0	02/20/25 14:12	
SM 2540C-2015	Total Dissolved Solids	128	mg/L	25.0	02/18/25 17:54	
EPA 300.0 Rev 2.1 1993	Chloride	1.4	mg/L	1.0	02/18/25 11:22	
EPA 300.0 Rev 2.1 1993	Fluoride	0.16	mg/L	0.10	02/18/25 11:22	
EPA 300.0 Rev 2.1 1993	Sulfate	35.2	mg/L	1.0	02/18/25 11:22	
EPA 6020B	Barium	0.061	mg/L	0.0050	03/25/25 14:56	
EPA 6020B	Beryllium	0.00018J	mg/L	0.00050	03/25/25 14:56	
EPA 6020B	Boron	0.023J	mg/L	0.040	03/25/25 14:56	
EPA 6020B	Calcium	21.5	mg/L	1.0	03/25/25 14:56	M1
EPA 6020B	Iron	0.093	mg/L	0.040	03/25/25 14:56	
EPA 6020B	Magnesium	4.0	mg/L	0.050	03/25/25 14:56	
EPA 6020B	Manganese	0.023J	mg/L	0.040	03/25/25 14:56	
EPA 6020B	Potassium	1.1	mg/L	0.50	03/25/25 14:56	
EPA 6020B	Sodium	4.9	mg/L	1.0	03/25/25 14:56	
92779981002	**HAM-HGWA-5**					
EPA 6020B	Lithium	0.00335J	mg/L	0.0300	03/12/25 15:03	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	83.4	mg/L	5.0	02/25/25 16:39	
SM 2320B-2011	Alkalinity, Total as CaCO3	83.4	mg/L	5.0	02/25/25 16:39	
SM 2540C-2015	Total Dissolved Solids	126	mg/L	25.0	02/21/25 11:32	
EPA 300.0 Rev 2.1 1993	Chloride	1.4	mg/L	1.0	02/18/25 14:13	
EPA 300.0 Rev 2.1 1993	Sulfate	18.2	mg/L	1.0	02/18/25 14:13	
EPA 6020B	Barium	0.049	mg/L	0.0050	03/25/25 17:41	
EPA 6020B	Boron	0.015J	mg/L	0.040	03/25/25 17:41	
EPA 6020B	Calcium	24.4	mg/L	1.0	03/25/25 17:41	
EPA 6020B	Iron	2.2	mg/L	0.040	03/25/25 17:41	
EPA 6020B	Magnesium	5.1	mg/L	0.050	03/25/25 17:41	
EPA 6020B	Manganese	0.068	mg/L	0.040	03/25/25 17:41	
EPA 6020B	Potassium	0.68	mg/L	0.50	03/25/25 17:41	
EPA 6020B	Sodium	6.9	mg/L	1.0	03/25/25 17:41	
92779981003	**HAM-HGWA-6**					
EPA 6020B	Lithium	0.0115J	mg/L	0.0300	03/12/25 15:06	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	161	mg/L	5.0	02/25/25 16:47	
SM 2320B-2011	Alkalinity, Total as CaCO3	161	mg/L	5.0	02/25/25 16:47	
SM 2540C-2015	Total Dissolved Solids	225	mg/L	25.0	02/21/25 11:32	
EPA 300.0 Rev 2.1 1993	Chloride	0.98J	mg/L	1.0	02/18/25 14:28	
EPA 300.0 Rev 2.1 1993	Sulfate	30.8	mg/L	1.0	02/18/25 14:28	
EPA 6020B	Barium	0.19	mg/L	0.0050	03/25/25 17:50	
EPA 6020B	Boron	0.020J	mg/L	0.040	03/25/25 17:50	
EPA 6020B	Calcium	52.1	mg/L	10.0	03/26/25 09:37	
EPA 6020B	Iron	0.45	mg/L	0.040	03/25/25 17:50	
EPA 6020B	Magnesium	9.3	mg/L	0.050	03/25/25 17:50	
EPA 6020B	Manganese	0.075	mg/L	0.040	03/25/25 17:50	
EPA 6020B	Potassium	0.58	mg/L	0.50	03/25/25 17:50	
EPA 6020B	Sodium	7.4	mg/L	1.0	03/25/25 17:50	

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SUMMARY OF DETECTION

Project: Hammond AP-2
Pace Project No.: 92779981

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92779981004	**HAM-HGWA-42D**					
EPA 6020B	Lithium	0.0118J	mg/L	0.0300	03/12/25 15:09	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	150	mg/L	5.0	02/25/25 16:57	
SM 2320B-2011	Alkalinity, Total as CaCO3	150	mg/L	5.0	02/25/25 16:57	
SM 2540C-2015	Total Dissolved Solids	192	mg/L	25.0	02/21/25 12:15	
EPA 300.0 Rev 2.1 1993	Chloride	3.1	mg/L	1.0	02/18/25 14:43	
EPA 300.0 Rev 2.1 1993	Fluoride	0.073J	mg/L	0.10	02/18/25 14:43	
EPA 300.0 Rev 2.1 1993	Sulfate	11.6	mg/L	1.0	02/18/25 14:43	
EPA 6020B	Barium	0.23	mg/L	0.0050	03/25/25 17:59	
EPA 6020B	Boron	0.059	mg/L	0.040	03/25/25 17:59	
EPA 6020B	Calcium	46.5	mg/L	10.0	03/26/25 09:46	
EPA 6020B	Iron	0.52	mg/L	0.040	03/25/25 17:59	
EPA 6020B	Magnesium	7.2	mg/L	0.050	03/25/25 17:59	
EPA 6020B	Manganese	0.031J	mg/L	0.040	03/25/25 17:59	
EPA 6020B	Potassium	0.40J	mg/L	0.50	03/25/25 17:59	
EPA 6020B	Sodium	9.1	mg/L	1.0	03/25/25 17:59	
92779981005	**HAM-HGWC-17**					
EPA 6020B	Lithium	0.00123J	mg/L	0.0300	03/12/25 15:13	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	176	mg/L	5.0	02/25/25 20:35	
SM 2320B-2011	Alkalinity, Total as CaCO3	176	mg/L	5.0	02/25/25 20:35	
SM 2540C-2015	Total Dissolved Solids	670	mg/L	50.0	02/21/25 16:58	
EPA 300.0 Rev 2.1 1993	Chloride	77.7	mg/L	1.0	02/18/25 07:17	M1
EPA 300.0 Rev 2.1 1993	Fluoride	0.050J	mg/L	0.10	02/18/25 07:17	
EPA 300.0 Rev 2.1 1993	Sulfate	224	mg/L	5.0	02/18/25 16:57	M1
EPA 6020B	Barium	0.030	mg/L	0.0050	03/25/25 18:45	
EPA 6020B	Boron	5.3	mg/L	0.80	03/26/25 09:55	
EPA 6020B	Cadmium	0.00015J	mg/L	0.00050	03/25/25 18:45	
EPA 6020B	Calcium	176	mg/L	20.0	03/26/25 09:55	
EPA 6020B	Iron	0.088	mg/L	0.040	03/25/25 18:45	
EPA 6020B	Magnesium	17.6	mg/L	0.050	03/25/25 18:45	
EPA 6020B	Manganese	0.54J	mg/L	0.80	03/26/25 09:55	D4
EPA 6020B	Potassium	2.0	mg/L	0.50	03/25/25 18:45	
EPA 6020B	Selenium	0.0020J	mg/L	0.0050	03/25/25 18:45	
EPA 6020B	Sodium	11.8	mg/L	1.0	03/25/25 18:45	
92779981006	**HAM-MW-33**					
EPA 6020B	Lithium	0.000839J	mg/L	0.0300	03/18/25 12:53	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	9.7	mg/L	5.0	02/25/25 20:55	
SM 2320B-2011	Alkalinity, Total as CaCO3	9.7	mg/L	5.0	02/25/25 20:55	
SM 2540C-2015	Total Dissolved Solids	1060	mg/L	50.0	02/21/25 16:58	
EPA 300.0 Rev 2.1 1993	Chloride	38.6	mg/L	1.0	02/18/25 07:57	
EPA 300.0 Rev 2.1 1993	Fluoride	0.089J	mg/L	0.10	02/18/25 07:57	
EPA 300.0 Rev 2.1 1993	Sulfate	578	mg/L	13.0	02/18/25 18:05	
EPA 6020B	Arsenic	0.0021J	mg/L	0.0050	03/25/25 18:54	
EPA 6020B	Barium	0.016	mg/L	0.0050	03/25/25 18:54	
EPA 6020B	Beryllium	0.00048J	mg/L	0.00050	03/25/25 18:54	
EPA 6020B	Boron	4.6	mg/L	0.80	03/26/25 10:04	
EPA 6020B	Cadmium	0.00015J	mg/L	0.00050	03/25/25 18:54	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Hammond AP-2
Pace Project No.: 92779981

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92779981006	**HAM-MW-33**					
EPA 6020B	Calcium	238	mg/L	20.0	03/26/25 10:04	
EPA 6020B	Cobalt	0.029	mg/L	0.0050	03/25/25 18:54	
EPA 6020B	Iron	0.027J	mg/L	0.040	03/25/25 18:54	
EPA 6020B	Lead	0.00041J	mg/L	0.0010	03/25/25 18:54	
EPA 6020B	Magnesium	21.1	mg/L	0.050	03/25/25 18:54	
EPA 6020B	Manganese	3.2	mg/L	0.80	03/26/25 10:04	
EPA 6020B	Potassium	8.3	mg/L	0.50	03/25/25 18:54	
EPA 6020B	Selenium	0.010	mg/L	0.0050	03/25/25 18:54	
EPA 6020B	Sodium	11.5	mg/L	1.0	03/25/25 18:54	
92779981009	**HAM-HGWC-14**					
EPA 6020B	Lithium	0.000675J	mg/L	0.0300	03/12/25 15:22	J
SM 2540C-2015	Total Dissolved Solids	1600	mg/L	50.0	02/25/25 13:41	
EPA 300.0 Rev 2.1 1993	Chloride	92.0	mg/L	1.0	02/20/25 07:48	
EPA 300.0 Rev 2.1 1993	Fluoride	0.055J	mg/L	0.10	02/20/25 07:48	
EPA 300.0 Rev 2.1 1993	Sulfate	790	mg/L	19.0	02/20/25 14:59	
EPA 6020B	Arsenic	0.0017J	mg/L	0.0050	03/18/25 21:39	
EPA 6020B	Barium	0.016	mg/L	0.0050	03/18/25 21:39	
EPA 6020B	Beryllium	0.00038J	mg/L	0.00050	03/18/25 21:39	
EPA 6020B	Boron	6.2	mg/L	2.0	03/19/25 08:41	
EPA 6020B	Calcium	341	mg/L	50.0	03/19/25 08:41	
EPA 6020B	Cobalt	0.031	mg/L	0.0050	03/18/25 21:39	
EPA 6020B	Iron	0.63	mg/L	0.040	03/18/25 21:39	
EPA 6020B	Lead	0.00097J	mg/L	0.0010	03/18/25 21:39	
EPA 6020B	Magnesium	29.3	mg/L	2.5	03/19/25 08:41	
EPA 6020B	Manganese	3.5	mg/L	2.0	03/19/25 08:41	
EPA 6020B	Potassium	10.2	mg/L	0.50	03/18/25 21:39	
EPA 6020B	Selenium	0.0096	mg/L	0.0050	03/18/25 21:39	
EPA 6020B	Sodium	8.1	mg/L	1.0	03/18/25 21:39	
EPA 6020B	Thallium	0.00029J	mg/L	0.0010	03/18/25 21:39	
92779981010	**HAM-HGWC-15**					
EPA 6020B	Lithium	0.0146J	mg/L	0.0300	03/12/25 15:25	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	137	mg/L	5.0	02/26/25 19:46	
SM 2320B-2011	Alkalinity, Total as CaCO3	137	mg/L	5.0	02/26/25 19:46	
SM 2540C-2015	Total Dissolved Solids	764	mg/L	50.0	02/22/25 14:31	
EPA 300.0 Rev 2.1 1993	Chloride	62.8	mg/L	1.0	02/20/25 08:03	
EPA 300.0 Rev 2.1 1993	Fluoride	0.052J	mg/L	0.10	02/20/25 08:03	
EPA 300.0 Rev 2.1 1993	Sulfate	277	mg/L	6.0	02/20/25 15:43	
EPA 6020B	Antimony	0.00056J	mg/L	0.0030	03/18/25 21:48	
EPA 6020B	Barium	0.017	mg/L	0.0050	03/18/25 21:48	
EPA 6020B	Boron	1.6	mg/L	0.40	03/19/25 08:50	
EPA 6020B	Cadmium	0.00083	mg/L	0.00050	03/18/25 21:48	
EPA 6020B	Calcium	142	mg/L	10.0	03/19/25 08:50	
EPA 6020B	Cobalt	0.0070	mg/L	0.0050	03/18/25 21:48	
EPA 6020B	Iron	0.017J	mg/L	0.040	03/18/25 21:48	
EPA 6020B	Magnesium	22.0	mg/L	0.050	03/18/25 21:48	
EPA 6020B	Manganese	11.3	mg/L	4.0	03/19/25 08:59	

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SUMMARY OF DETECTION

Project: Hammond AP-2
Pace Project No.: 92779981

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92779981010	**HAM-HGWC-15**					
EPA 6020B	Potassium	0.82	mg/L	0.50	03/18/25 21:48	
EPA 6020B	Sodium	9.0	mg/L	1.0	03/18/25 21:48	
92779981011	**HAM-HGWC-16**					
EPA 6020B	Lithium	0.00272J	mg/L	0.0300	03/12/25 13:59	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	199	mg/L	5.0	02/26/25 19:53	
SM 2320B-2011	Alkalinity, Total as CaCO3	199	mg/L	5.0	02/26/25 19:53	
SM 2540C-2015	Total Dissolved Solids	768	mg/L	50.0	02/22/25 14:31	
EPA 300.0 Rev 2.1 1993	Chloride	87.8	mg/L	1.0	02/20/25 08:18	
EPA 300.0 Rev 2.1 1993	Sulfate	200	mg/L	5.0	02/20/25 15:58	
EPA 6020B	Barium	0.098	mg/L	0.0050	03/18/25 21:57	
EPA 6020B	Boron	1.9	mg/L	0.40	03/19/25 09:08	
EPA 6020B	Calcium	158	mg/L	10.0	03/19/25 09:08	
EPA 6020B	Iron	1.5	mg/L	0.040	03/18/25 21:57	
EPA 6020B	Magnesium	12.5	mg/L	0.050	03/18/25 21:57	
EPA 6020B	Manganese	0.058	mg/L	0.040	03/18/25 21:57	
EPA 6020B	Potassium	0.70	mg/L	0.50	03/18/25 21:57	
EPA 6020B	Selenium	0.0015J	mg/L	0.0050	03/18/25 21:57	
EPA 6020B	Sodium	8.5	mg/L	1.0	03/18/25 21:57	
92779981012	**HAM-HGWC-18**					
EPA 6020B	Lithium	0.00876J	mg/L	0.0300	03/12/25 14:02	J
SM 2540C-2015	Total Dissolved Solids	598	mg/L	50.0	02/25/25 13:42	
EPA 300.0 Rev 2.1 1993	Chloride	44.7	mg/L	1.0	02/20/25 08:33	
EPA 300.0 Rev 2.1 1993	Fluoride	0.067J	mg/L	0.10	02/20/25 08:33	
EPA 300.0 Rev 2.1 1993	Sulfate	289	mg/L	7.0	02/20/25 16:13	
EPA 6020B	Barium	0.016	mg/L	0.0050	03/18/25 22:06	
EPA 6020B	Beryllium	0.0015	mg/L	0.00050	03/18/25 22:06	
EPA 6020B	Boron	2.4	mg/L	0.40	03/19/25 09:17	
EPA 6020B	Cadmium	0.00056	mg/L	0.00050	03/18/25 22:06	
EPA 6020B	Calcium	109	mg/L	10.0	03/19/25 09:17	
EPA 6020B	Cobalt	0.061	mg/L	0.0050	03/18/25 22:06	
EPA 6020B	Iron	0.10	mg/L	0.040	03/18/25 22:06	
EPA 6020B	Lead	0.00038J	mg/L	0.0010	03/18/25 22:06	
EPA 6020B	Magnesium	11.5	mg/L	0.050	03/18/25 22:06	
EPA 6020B	Manganese	2.0	mg/L	0.40	03/19/25 09:17	
EPA 6020B	Potassium	5.3	mg/L	0.50	03/18/25 22:06	
EPA 6020B	Selenium	0.0054	mg/L	0.0050	03/18/25 22:06	
EPA 6020B	Sodium	8.7	mg/L	1.0	03/18/25 22:06	
92779981013	**HAM-MW-21D**					
EPA 6020B	Lithium	0.0119J	mg/L	0.0300	03/12/25 14:05	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	135	mg/L	5.0	02/28/25 13:21	
SM 2320B-2011	Alkalinity, Total as CaCO3	135	mg/L	5.0	02/28/25 13:21	
SM 2540C-2015	Total Dissolved Solids	419	mg/L	25.0	02/25/25 13:42	
EPA 300.0 Rev 2.1 1993	Chloride	30.1	mg/L	1.0	02/20/25 08:48	
EPA 300.0 Rev 2.1 1993	Sulfate	121	mg/L	3.0	02/20/25 16:27	
EPA 6020B	Barium	0.045	mg/L	0.0050	03/18/25 22:16	
EPA 6020B	Boron	1.7	mg/L	0.40	03/19/25 09:26	

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SUMMARY OF DETECTION

Project: Hammond AP-2
Pace Project No.: 92779981

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92779981013	**HAM-MW-21D**					
EPA 6020B	Calcium	77.4	mg/L	10.0	03/19/25 09:26	
EPA 6020B	Iron	3.0	mg/L	0.040	03/18/25 22:16	
EPA 6020B	Magnesium	13.7	mg/L	0.050	03/18/25 22:16	
EPA 6020B	Manganese	0.21	mg/L	0.040	03/18/25 22:16	
EPA 6020B	Molybdenum	0.0098J	mg/L	0.010	03/18/25 22:16	
EPA 6020B	Potassium	0.63	mg/L	0.50	03/18/25 22:16	
EPA 6020B	Sodium	7.0	mg/L	1.0	03/18/25 22:16	
92779981014	**HAM-MW-22**					
EPA 6020B	Lithium	0.00119J	mg/L	0.0300	03/12/25 14:08	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	33.9	mg/L	5.0	02/28/25 13:39	
SM 2320B-2011	Alkalinity, Total as CaCO3	33.9	mg/L	5.0	02/28/25 13:39	
SM 2540C-2015	Total Dissolved Solids	830	mg/L	50.0	02/25/25 13:42	
EPA 300.0 Rev 2.1 1993	Chloride	93.6	mg/L	1.0	02/20/25 09:03	
EPA 300.0 Rev 2.1 1993	Sulfate	370	mg/L	9.0	02/20/25 16:42	
EPA 6020B	Barium	0.013	mg/L	0.0050	03/18/25 22:25	
EPA 6020B	Boron	2.0	mg/L	0.40	03/19/25 09:35	
EPA 6020B	Cadmium	0.0016	mg/L	0.00050	03/18/25 22:25	
EPA 6020B	Calcium	146	mg/L	10.0	03/19/25 09:35	
EPA 6020B	Cobalt	0.025	mg/L	0.0050	03/18/25 22:25	
EPA 6020B	Iron	0.084	mg/L	0.040	03/18/25 22:25	
EPA 6020B	Magnesium	29.8	mg/L	0.50	03/19/25 09:35	
EPA 6020B	Manganese	14.2	mg/L	4.0	03/19/25 09:44	
EPA 6020B	Potassium	0.68	mg/L	0.50	03/18/25 22:25	
EPA 6020B	Selenium	0.0015J	mg/L	0.0050	03/18/25 22:25	
EPA 6020B	Sodium	11.3	mg/L	1.0	03/18/25 22:25	
92779981015	**HAM-MW-23D**					
EPA 6020B	Lithium	0.00197J	mg/L	0.0300	03/12/25 10:29	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	234	mg/L	5.0	02/26/25 20:01	
SM 2320B-2011	Alkalinity, Total as CaCO3	234	mg/L	5.0	02/26/25 20:01	
SM 2540C-2015	Total Dissolved Solids	1070	mg/L	50.0	02/22/25 14:31	
EPA 300.0 Rev 2.1 1993	Chloride	105	mg/L	7.0	02/20/25 16:57	
EPA 300.0 Rev 2.1 1993	Sulfate	321	mg/L	7.0	02/20/25 16:57	
EPA 6020B	Barium	0.035	mg/L	0.0050	03/18/25 22:34	
EPA 6020B	Boron	2.4	mg/L	0.80	03/19/25 09:53	
EPA 6020B	Cadmium	0.00015J	mg/L	0.00050	03/18/25 22:34	
EPA 6020B	Calcium	215	mg/L	20.0	03/19/25 09:53	
EPA 6020B	Iron	0.060	mg/L	0.040	03/18/25 22:34	
EPA 6020B	Magnesium	22.7	mg/L	0.050	03/18/25 22:34	
EPA 6020B	Manganese	4.6	mg/L	0.80	03/19/25 09:53	
EPA 6020B	Molybdenum	0.0039J	mg/L	0.010	03/18/25 22:34	
EPA 6020B	Potassium	1.5	mg/L	0.50	03/18/25 22:34	
EPA 6020B	Selenium	0.0014J	mg/L	0.0050	03/18/25 22:34	
EPA 6020B	Sodium	10.6	mg/L	1.0	03/18/25 22:34	
92779981016	**HAM-MW-34D**					
EPA 6020B	Lithium	0.00230J	mg/L	0.0300	03/12/25 10:42	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	118	mg/L	5.0	02/28/25 13:45	

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SUMMARY OF DETECTION

Project: Hammond AP-2
Pace Project No.: 92779981

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92779981016	**HAM-MW-34D**					
SM 2320B-2011	Alkalinity, Total as CaCO3	118	mg/L	5.0	02/28/25 13:45	
SM 2540C-2015	Total Dissolved Solids	1630	mg/L	50.0	02/25/25 13:42	
EPA 300.0 Rev 2.1 1993	Chloride	215	mg/L	15.0	02/20/25 17:11	
EPA 300.0 Rev 2.1 1993	Sulfate	620	mg/L	15.0	02/20/25 17:11	
EPA 6020B	Barium	0.030	mg/L	0.0050	03/18/25 22:43	
EPA 6020B	Boron	5.7	mg/L	2.0	03/19/25 10:03	
EPA 6020B	Cadmium	0.0022	mg/L	0.00050	03/18/25 22:43	
EPA 6020B	Calcium	287	mg/L	50.0	03/19/25 10:03	
EPA 6020B	Cobalt	0.0035J	mg/L	0.0050	03/18/25 22:43	
EPA 6020B	Iron	0.20	mg/L	0.040	03/18/25 22:43	
EPA 6020B	Magnesium	34.9	mg/L	2.5	03/19/25 10:03	
EPA 6020B	Manganese	2.4	mg/L	2.0	03/19/25 10:03	
EPA 6020B	Potassium	5.5	mg/L	0.50	03/18/25 22:43	
EPA 6020B	Selenium	0.0049J	mg/L	0.0050	03/18/25 22:43	
EPA 6020B	Sodium	11.3	mg/L	1.0	03/18/25 22:43	
92779981017	**HAM-MW-37D**					
EPA 6020B	Lithium	0.0216J	mg/L	0.0300	03/12/25 10:45	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	161	mg/L	5.0	02/26/25 20:09	
SM 2320B-2011	Alkalinity, Total as CaCO3	161	mg/L	5.0	02/26/25 20:09	
SM 2540C-2015	Total Dissolved Solids	217	mg/L	25.0	02/22/25 14:31	
SM 4500-S2D-2011	Sulfide	0.037J	mg/L	0.10	02/21/25 03:46	
EPA 300.0 Rev 2.1 1993	Chloride	3.2	mg/L	1.0	02/20/25 10:17	
EPA 300.0 Rev 2.1 1993	Sulfate	19.1	mg/L	1.0	02/20/25 10:17	
EPA 6020B	Barium	0.15	mg/L	0.0050	03/18/25 23:10	
EPA 6020B	Boron	0.052	mg/L	0.040	03/18/25 23:10	
EPA 6020B	Calcium	40.2	mg/L	10.0	03/19/25 10:30	
EPA 6020B	Iron	0.23	mg/L	0.040	03/18/25 23:10	
EPA 6020B	Magnesium	8.7	mg/L	0.50	03/19/25 10:30	
EPA 6020B	Manganese	0.018J	mg/L	0.040	03/18/25 23:10	
EPA 6020B	Potassium	0.54	mg/L	0.50	03/18/25 23:10	
EPA 6020B	Sodium	8.8	mg/L	1.0	03/18/25 23:10	
92779981018	**HAM-AP2-FD-01**					
EPA 6020B	Lithium	0.00291J	mg/L	0.0300	03/12/25 10:48	J
SM 2540C-2015	Total Dissolved Solids	770	mg/L	50.0	02/22/25 14:31	
EPA 300.0 Rev 2.1 1993	Chloride	87.8	mg/L	1.0	02/20/25 11:02	
EPA 300.0 Rev 2.1 1993	Sulfate	200	mg/L	5.0	02/20/25 17:26	
EPA 6020B	Barium	0.099	mg/L	0.0050	03/18/25 23:19	
EPA 6020B	Boron	1.8	mg/L	0.40	03/19/25 10:39	
EPA 6020B	Calcium	164	mg/L	10.0	03/19/25 10:39	
EPA 6020B	Selenium	0.0014J	mg/L	0.0050	03/18/25 23:19	
92779981019	**HAM-AP2-FD-02**					
EPA 6020B	Lithium	0.00218J	mg/L	0.0300	03/18/25 13:07	J
SM 2540C-2015	Total Dissolved Solids	1090	mg/L	50.0	02/22/25 14:31	
EPA 300.0 Rev 2.1 1993	Chloride	105	mg/L	7.0	02/20/25 17:41	
EPA 300.0 Rev 2.1 1993	Sulfate	323	mg/L	7.0	02/20/25 17:41	
EPA 6020B	Barium	0.035	mg/L	0.0050	03/18/25 23:28	

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(704)875-9092

SUMMARY OF DETECTION

Project: Hammond AP-2
Pace Project No.: 92779981

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92779981019	**HAM-AP2-FD-02**					
EPA 6020B	Boron	2.4	mg/L	0.80	03/19/25 10:48	
EPA 6020B	Cadmium	0.00015J	mg/L	0.00050	03/18/25 23:28	
EPA 6020B	Calcium	201	mg/L	20.0	03/19/25 10:48	
EPA 6020B	Molybdenum	0.0040J	mg/L	0.010	03/18/25 23:28	
EPA 6020B	Selenium	0.0017J	mg/L	0.0050	03/18/25 23:28	
92779981022	**HAM-MW-35**					
EPA 6020B	Lithium	0.00319J	mg/L	0.0300	03/14/25 13:25	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	11.3	mg/L	5.0	03/13/25 15:52	
SM 2320B-2011	Alkalinity, Total as CaCO3	11.3	mg/L	5.0	03/13/25 15:52	
SM 2540C-2015	Total Dissolved Solids	2060	mg/L	50.0	03/13/25 11:23	
EPA 300.0 Rev 2.1 1993	Chloride	141	mg/L	15.0	03/12/25 11:54	
EPA 300.0 Rev 2.1 1993	Fluoride	0.066J	mg/L	0.10	03/12/25 07:41	
EPA 300.0 Rev 2.1 1993	Sulfate	942	mg/L	15.0	03/12/25 11:54	
EPA 6020B	Barium	0.024	mg/L	0.0050	03/28/25 13:55	
EPA 6020B	Beryllium	0.00033J	mg/L	0.00050	03/28/25 13:55	
EPA 6020B	Boron	9.4	mg/L	0.80	03/28/25 14:04	
EPA 6020B	Cadmium	0.0014	mg/L	0.00050	03/28/25 13:55	
EPA 6020B	Calcium	476	mg/L	20.0	03/28/25 14:04	
EPA 6020B	Cobalt	0.082	mg/L	0.0050	03/28/25 13:55	
EPA 6020B	Iron	9.6	mg/L	0.040	03/28/25 13:55	
EPA 6020B	Lead	0.00035J	mg/L	0.0010	03/28/25 13:55	
EPA 6020B	Magnesium	67.7	mg/L	1.0	03/28/25 14:04	
EPA 6020B	Manganese	10	mg/L	0.80	03/28/25 14:04	
EPA 6020B	Potassium	7.2	mg/L	0.50	03/28/25 13:55	
EPA 6020B	Selenium	0.0064	mg/L	0.0050	03/28/25 13:55	
EPA 6020B	Sodium	16.2	mg/L	5.0	04/02/25 09:19	
EPA 7470A	Mercury	0.00035	mg/L	0.00020	03/31/25 22:35	
92779981023	**HAM-MW-51**					
EPA 6020B	Lithium	0.00184J	mg/L	0.0300	03/14/25 13:28	J
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	68.4	mg/L	5.0	03/13/25 15:57	
SM 2320B-2011	Alkalinity, Total as CaCO3	68.4	mg/L	5.0	03/13/25 15:57	
SM 2540C-2015	Total Dissolved Solids	1750	mg/L	50.0	03/13/25 11:23	
EPA 300.0 Rev 2.1 1993	Chloride	87.5	mg/L	12.0	03/12/25 12:09	
EPA 300.0 Rev 2.1 1993	Fluoride	0.078J	mg/L	0.10	03/12/25 08:27	
EPA 300.0 Rev 2.1 1993	Sulfate	832	mg/L	12.0	03/12/25 12:09	
EPA 6020B	Barium	0.024	mg/L	0.0050	03/27/25 16:39	
EPA 6020B	Beryllium	0.00041J	mg/L	0.00050	03/27/25 16:39	
EPA 6020B	Boron	8.7	mg/L	4.0	03/27/25 17:15	
EPA 6020B	Cadmium	0.0013	mg/L	0.00050	03/27/25 16:39	
EPA 6020B	Calcium	414	mg/L	20.0	03/27/25 17:06	
EPA 6020B	Cobalt	0.014	mg/L	0.0050	03/27/25 16:39	
EPA 6020B	Iron	0.12	mg/L	0.040	03/27/25 16:39	
EPA 6020B	Magnesium	42.9	mg/L	0.50	03/27/25 16:57	
EPA 6020B	Manganese	5.1	mg/L	0.80	03/27/25 17:06	
EPA 6020B	Potassium	8.0	mg/L	0.50	03/27/25 16:39	
EPA 6020B	Selenium	0.0068	mg/L	0.0050	03/27/25 16:39	

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SUMMARY OF DETECTION

Project: Hammond AP-2
Pace Project No.: 92779981

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92779981023	**HAM-MW-51**					
EPA 6020B	Sodium	10.9	mg/L	1.0	03/27/25 16:39	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-HGWA-4 **Lab ID: 92779981001** Collected: 02/12/25 12:47 Received: 02/14/25 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00126J**	mg/L	0.0300	0.000600	1	03/12/25 08:47	03/12/25 15:00	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/18/25 17:23	02/21/25 16:13	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**25.5**	mg/L	5.0	5.0	1		02/20/25 14:12		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/20/25 14:12		
Alkalinity, Total as CaCO3	**25.5**	mg/L	5.0	5.0	1		02/20/25 14:12		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**128**	mg/L	25.0	25.0	1		02/18/25 17:54		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/19/25 01:47	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**1.4**	mg/L	1.0	0.60	1		02/18/25 11:22	16887-00-6	
Fluoride	**0.16**	mg/L	0.10	0.050	1		02/18/25 11:22	16984-48-8	
Sulfate	**35.2**	mg/L	1.0	0.50	1		02/18/25 11:22	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 11:48	03/25/25 14:56	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 14:56	7440-38-2	
Barium	**0.061**	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 14:56	7440-39-3	
Beryllium	**0.00018J**	mg/L	0.00050	0.00015	1	03/10/25 11:48	03/25/25 14:56	7440-41-7	
Boron	**0.023J**	mg/L	0.040	0.0062	1	03/10/25 11:48	03/25/25 14:56	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/10/25 11:48	03/25/25 14:56	7440-43-9	
Calcium	**21.5**	mg/L	1.0	0.10	1	03/10/25 11:48	03/25/25 14:56	7440-70-2	M1
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 14:56	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 14:56	7440-48-4	
Iron	**0.093**	mg/L	0.040	0.012	1	03/10/25 11:48	03/25/25 14:56	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/10/25 11:48	03/25/25 14:56	7439-92-1	
Magnesium	**4.0**	mg/L	0.050	0.010	1	03/10/25 11:48	03/25/25 14:56	7439-95-4	
Manganese	**0.023J**	mg/L	0.040	0.0012	1	03/10/25 11:48	03/25/25 14:56	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/10/25 11:48	03/25/25 14:56	7439-98-7	
Potassium	**1.1**	mg/L	0.50	0.10	1	03/10/25 11:48	03/25/25 14:56	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 14:56	7782-49-2	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-HGWA-4 **Lab ID: 92779981001** Collected: 02/12/25 12:47 Received: 02/14/25 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**4.9**	mg/L	1.0	0.15	1	03/10/25 11:48	03/25/25 14:56	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 11:48	03/25/25 14:56	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-HGWA-5 **Lab ID: 92779981002** Collected: 02/14/25 12:12 Received: 02/17/25 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00335J**	mg/L	0.0300	0.000600	1	03/12/25 08:47	03/12/25 15:03	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/19/25 18:51	02/23/25 13:41	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**83.4**	mg/L	5.0	5.0	1		02/25/25 16:39		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/25/25 16:39		
Alkalinity, Total as CaCO3	**83.4**	mg/L	5.0	5.0	1		02/25/25 16:39		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**126**	mg/L	25.0	25.0	1		02/21/25 11:32		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/19/25 02:03	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**1.4**	mg/L	1.0	0.60	1		02/18/25 14:13	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/18/25 14:13	16984-48-8	
Sulfate	**18.2**	mg/L	1.0	0.50	1		02/18/25 14:13	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 11:48	03/25/25 17:41	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 17:41	7440-38-2	
Barium	**0.049**	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 17:41	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/10/25 11:48	03/25/25 17:41	7440-41-7	
Boron	**0.015J**	mg/L	0.040	0.0062	1	03/10/25 11:48	03/25/25 17:41	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/10/25 11:48	03/25/25 17:41	7440-43-9	
Calcium	**24.4**	mg/L	1.0	0.10	1	03/10/25 11:48	03/25/25 17:41	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 17:41	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 17:41	7440-48-4	
Iron	**2.2**	mg/L	0.040	0.012	1	03/10/25 11:48	03/25/25 17:41	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/10/25 11:48	03/25/25 17:41	7439-92-1	
Magnesium	**5.1**	mg/L	0.050	0.010	1	03/10/25 11:48	03/25/25 17:41	7439-95-4	
Manganese	**0.068**	mg/L	0.040	0.0012	1	03/10/25 11:48	03/25/25 17:41	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/10/25 11:48	03/25/25 17:41	7439-98-7	
Potassium	**0.68**	mg/L	0.50	0.10	1	03/10/25 11:48	03/25/25 17:41	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 17:41	7782-49-2	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-HGWA-5 **Lab ID: 92779981002** Collected: 02/14/25 12:12 Received: 02/17/25 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**6.9**	mg/L	1.0	0.15	1	03/10/25 11:48	03/25/25 17:41	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 11:48	03/25/25 17:41	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-HGWA-6 **Lab ID: 92779981003** Collected: 02/14/25 13:25 Received: 02/17/25 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0115J**	mg/L	0.0300	0.000600	1	03/12/25 08:47	03/12/25 15:06	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/19/25 18:51	02/23/25 13:47	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**161**	mg/L	5.0	5.0	1		02/25/25 16:47		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/25/25 16:47		
Alkalinity, Total as CaCO3	**161**	mg/L	5.0	5.0	1		02/25/25 16:47		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**225**	mg/L	25.0	25.0	1		02/21/25 11:32		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/19/25 02:03	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**0.98J**	mg/L	1.0	0.60	1		02/18/25 14:28	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/18/25 14:28	16984-48-8	
Sulfate	**30.8**	mg/L	1.0	0.50	1		02/18/25 14:28	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 11:48	03/25/25 17:50	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 17:50	7440-38-2	
Barium	**0.19**	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 17:50	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/10/25 11:48	03/25/25 17:50	7440-41-7	
Boron	**0.020J**	mg/L	0.040	0.0062	1	03/10/25 11:48	03/25/25 17:50	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/10/25 11:48	03/25/25 17:50	7440-43-9	
Calcium	**52.1**	mg/L	10.0	1.0	10	03/10/25 11:48	03/26/25 09:37	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 17:50	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 17:50	7440-48-4	
Iron	**0.45**	mg/L	0.040	0.012	1	03/10/25 11:48	03/25/25 17:50	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/10/25 11:48	03/25/25 17:50	7439-92-1	
Magnesium	**9.3**	mg/L	0.050	0.010	1	03/10/25 11:48	03/25/25 17:50	7439-95-4	
Manganese	**0.075**	mg/L	0.040	0.0012	1	03/10/25 11:48	03/25/25 17:50	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/10/25 11:48	03/25/25 17:50	7439-98-7	
Potassium	**0.58**	mg/L	0.50	0.10	1	03/10/25 11:48	03/25/25 17:50	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 17:50	7782-49-2	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-HGWA-6 **Lab ID: 92779981003** Collected: 02/14/25 13:25 Received: 02/17/25 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**7.4**	mg/L	1.0	0.15	1	03/10/25 11:48	03/25/25 17:50	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 11:48	03/25/25 17:50	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-HGWA-42D **Lab ID: 92779981004** Collected: 02/14/25 15:08 Received: 02/17/25 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0118J**	mg/L	0.0300	0.000600	1	03/12/25 08:47	03/12/25 15:09	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/19/25 18:51	02/23/25 13:49	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**150**	mg/L	5.0	5.0	1		02/25/25 16:57		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/25/25 16:57		
Alkalinity, Total as CaCO3	**150**	mg/L	5.0	5.0	1		02/25/25 16:57		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**192**	mg/L	25.0	25.0	1		02/21/25 12:15		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/19/25 02:04	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**3.1**	mg/L	1.0	0.60	1		02/18/25 14:43	16887-00-6	
Fluoride	**0.073J**	mg/L	0.10	0.050	1		02/18/25 14:43	16984-48-8	
Sulfate	**11.6**	mg/L	1.0	0.50	1		02/18/25 14:43	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 11:48	03/25/25 17:59	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 17:59	7440-38-2	
Barium	**0.23**	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 17:59	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/10/25 11:48	03/25/25 17:59	7440-41-7	
Boron	**0.059**	mg/L	0.040	0.0062	1	03/10/25 11:48	03/25/25 17:59	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/10/25 11:48	03/25/25 17:59	7440-43-9	
Calcium	**46.5**	mg/L	10.0	1.0	10	03/10/25 11:48	03/26/25 09:46	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 17:59	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 17:59	7440-48-4	
Iron	**0.52**	mg/L	0.040	0.012	1	03/10/25 11:48	03/25/25 17:59	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/10/25 11:48	03/25/25 17:59	7439-92-1	
Magnesium	**7.2**	mg/L	0.050	0.010	1	03/10/25 11:48	03/25/25 17:59	7439-95-4	
Manganese	**0.031J**	mg/L	0.040	0.0012	1	03/10/25 11:48	03/25/25 17:59	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/10/25 11:48	03/25/25 17:59	7439-98-7	
Potassium	**0.40J**	mg/L	0.50	0.10	1	03/10/25 11:48	03/25/25 17:59	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 17:59	7782-49-2	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-HGWA-42D **Lab ID: 92779981004** Collected: 02/14/25 15:08 Received: 02/17/25 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**9.1**	mg/L	1.0	0.15	1	03/10/25 11:48	03/25/25 17:59	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 11:48	03/25/25 17:59	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-HGWC-17 **Lab ID: 92779981005** Collected: 02/16/25 16:46 Received: 02/17/25 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00123J**	mg/L	0.0300	0.000600	1	03/12/25 08:47	03/12/25 15:13	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/19/25 18:51	02/23/25 13:55	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**176**	mg/L	5.0	5.0	1		02/25/25 20:35		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/25/25 20:35		
Alkalinity, Total as CaCO3	**176**	mg/L	5.0	5.0	1		02/25/25 20:35		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**670**	mg/L	50.0	50.0	1		02/21/25 16:58		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/19/25 02:16	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**77.7**	mg/L	1.0	0.60	1		02/18/25 07:17	16887-00-6	M1
Fluoride	**0.050J**	mg/L	0.10	0.050	1		02/18/25 07:17	16984-48-8	
Sulfate	**224**	mg/L	5.0	2.5	5		02/18/25 16:57	14808-79-8	M1
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 11:48	03/25/25 18:45	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 18:45	7440-38-2	
Barium	**0.030**	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 18:45	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/10/25 11:48	03/25/25 18:45	7440-41-7	
Boron	**5.3**	mg/L	0.80	0.12	20	03/10/25 11:48	03/26/25 09:55	7440-42-8	
Cadmium	**0.00015J**	mg/L	0.00050	0.00012	1	03/10/25 11:48	03/25/25 18:45	7440-43-9	
Calcium	**176**	mg/L	20.0	2.0	20	03/10/25 11:48	03/26/25 09:55	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 18:45	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 18:45	7440-48-4	
Iron	**0.088**	mg/L	0.040	0.012	1	03/10/25 11:48	03/25/25 18:45	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/10/25 11:48	03/25/25 18:45	7439-92-1	
Magnesium	**17.6**	mg/L	0.050	0.010	1	03/10/25 11:48	03/25/25 18:45	7439-95-4	
Manganese	**0.54J**	mg/L	0.80	0.025	20	03/10/25 11:48	03/26/25 09:55	7439-96-5	D4
Molybdenum	ND	mg/L	0.010	0.0025	1	03/10/25 11:48	03/25/25 18:45	7439-98-7	
Potassium	**2.0**	mg/L	0.50	0.10	1	03/10/25 11:48	03/25/25 18:45	7440-09-7	
Selenium	**0.0020J**	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 18:45	7782-49-2	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-HGWC-17 **Lab ID: 92779981005** Collected: 02/16/25 16:46 Received: 02/17/25 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**11.8**	mg/L	1.0	0.15	1	03/10/25 11:48	03/25/25 18:45	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 11:48	03/25/25 18:45	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-MW-33 **Lab ID: 92779981006** Collected: 02/16/25 15:14 Received: 02/17/25 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.000839J**	mg/L	0.0300	0.000600	1	03/18/25 08:39	03/18/25 12:53	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/19/25 18:51	02/23/25 13:57	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**9.7**	mg/L	5.0	5.0	1		02/25/25 20:55		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/25/25 20:55		
Alkalinity, Total as CaCO3	**9.7**	mg/L	5.0	5.0	1		02/25/25 20:55		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1060**	mg/L	50.0	50.0	1		02/21/25 16:58		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/19/25 02:17	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**38.6**	mg/L	1.0	0.60	1		02/18/25 07:57	16887-00-6	
Fluoride	**0.089J**	mg/L	0.10	0.050	1		02/18/25 07:57	16984-48-8	
Sulfate	**578**	mg/L	13.0	6.5	13		02/18/25 18:05	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 11:48	03/25/25 18:54	7440-36-0	
Arsenic	**0.0021J**	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 18:54	7440-38-2	
Barium	**0.016**	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 18:54	7440-39-3	
Beryllium	**0.00048J**	mg/L	0.00050	0.00015	1	03/10/25 11:48	03/25/25 18:54	7440-41-7	
Boron	**4.6**	mg/L	0.80	0.12	20	03/10/25 11:48	03/26/25 10:04	7440-42-8	
Cadmium	**0.00015J**	mg/L	0.00050	0.00012	1	03/10/25 11:48	03/25/25 18:54	7440-43-9	
Calcium	**238**	mg/L	20.0	2.0	20	03/10/25 11:48	03/26/25 10:04	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 18:54	7440-47-3	
Cobalt	**0.029**	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 18:54	7440-48-4	
Iron	**0.027J**	mg/L	0.040	0.012	1	03/10/25 11:48	03/25/25 18:54	7439-89-6	
Lead	**0.00041J**	mg/L	0.0010	0.00025	1	03/10/25 11:48	03/25/25 18:54	7439-92-1	
Magnesium	**21.1**	mg/L	0.050	0.010	1	03/10/25 11:48	03/25/25 18:54	7439-95-4	
Manganese	**3.2**	mg/L	0.80	0.025	20	03/10/25 11:48	03/26/25 10:04	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/10/25 11:48	03/25/25 18:54	7439-98-7	
Potassium	**8.3**	mg/L	0.50	0.10	1	03/10/25 11:48	03/25/25 18:54	7440-09-7	
Selenium	**0.010**	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 18:54	7782-49-2	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-MW-33 **Lab ID: 92779981006** Collected: 02/16/25 15:14 Received: 02/17/25 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**11.5**	mg/L	1.0	0.15	1	03/10/25 11:48	03/25/25 18:54	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 11:48	03/25/25 18:54	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-AP2-EB-01 **Lab ID: 92779981007** Collected: 02/16/25 16:45 Received: 02/17/25 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/12/25 08:47	03/12/25 15:16	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/19/25 18:51	02/23/25 13:59	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/21/25 16:58		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/18/25 02:30	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/18/25 02:30	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/18/25 02:30	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 11:48	03/25/25 19:03	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 19:03	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 19:03	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/10/25 11:48	03/25/25 19:03	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	03/10/25 11:48	03/26/25 11:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/10/25 11:48	03/25/25 19:03	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	03/10/25 11:48	03/25/25 19:03	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 19:03	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 19:03	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/10/25 11:48	03/25/25 19:03	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/10/25 11:48	03/25/25 19:03	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 19:03	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 11:48	03/25/25 19:03	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-AP2-FB-01 **Lab ID: 92779981008** Collected: 02/16/25 16:40 Received: 02/17/25 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/12/25 08:47	03/12/25 15:19	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/19/25 18:51	02/23/25 14:01	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/21/25 16:58		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/18/25 02:44	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/18/25 02:44	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/18/25 02:44	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 11:48	03/25/25 19:12	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 19:12	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 19:12	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/10/25 11:48	03/25/25 19:12	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	03/10/25 11:48	03/26/25 11:17	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/10/25 11:48	03/25/25 19:12	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	03/10/25 11:48	03/25/25 19:12	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 19:12	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 19:12	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/10/25 11:48	03/25/25 19:12	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/10/25 11:48	03/25/25 19:12	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/10/25 11:48	03/25/25 19:12	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 11:48	03/25/25 19:12	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-HGWC-14 **Lab ID: 92779981009** Collected: 02/18/25 09:18 Received: 02/19/25 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.000675J**	mg/L	0.0300	0.000600	1	03/12/25 08:47	03/12/25 15:22	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/22/25 19:50	02/24/25 13:55	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/28/25 12:53		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/28/25 12:53		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/28/25 12:53		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1600**	mg/L	50.0	50.0	1		02/25/25 13:41		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/21/25 03:48	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**92.0**	mg/L	1.0	0.60	1		02/20/25 07:48	16887-00-6	
Fluoride	**0.055J**	mg/L	0.10	0.050	1		02/20/25 07:48	16984-48-8	
Sulfate	**790**	mg/L	19.0	9.5	19		02/20/25 14:59	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 12:15	03/18/25 21:39	7440-36-0	
Arsenic	**0.0017J**	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 21:39	7440-38-2	
Barium	**0.016**	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 21:39	7440-39-3	
Beryllium	**0.00038J**	mg/L	0.00050	0.00015	1	03/10/25 12:15	03/18/25 21:39	7440-41-7	
Boron	**6.2**	mg/L	2.0	0.31	50	03/10/25 12:15	03/19/25 08:41	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/10/25 12:15	03/18/25 21:39	7440-43-9	
Calcium	**341**	mg/L	50.0	5.0	50	03/10/25 12:15	03/19/25 08:41	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 21:39	7440-47-3	
Cobalt	**0.031**	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 21:39	7440-48-4	
Iron	**0.63**	mg/L	0.040	0.012	1	03/10/25 12:15	03/18/25 21:39	7439-89-6	
Lead	**0.00097J**	mg/L	0.0010	0.00025	1	03/10/25 12:15	03/18/25 21:39	7439-92-1	
Magnesium	**29.3**	mg/L	2.5	0.50	50	03/10/25 12:15	03/19/25 08:41	7439-95-4	
Manganese	**3.5**	mg/L	2.0	0.062	50	03/10/25 12:15	03/19/25 08:41	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/10/25 12:15	03/18/25 21:39	7439-98-7	
Potassium	**10.2**	mg/L	0.50	0.10	1	03/10/25 12:15	03/18/25 21:39	7440-09-7	
Selenium	**0.0096**	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 21:39	7782-49-2	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-HGWC-14 **Lab ID: 92779981009** Collected: 02/18/25 09:18 Received: 02/19/25 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**8.1**	mg/L	1.0	0.15	1	03/10/25 12:15	03/18/25 21:39	7440-23-5	
Thallium	**0.00029J**	mg/L	0.0010	0.00015	1	03/10/25 12:15	03/18/25 21:39	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-HGWC-15 **Lab ID: 92779981010** Collected: 02/17/25 13:45 Received: 02/19/25 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0146J**	mg/L	0.0300	0.000600	1	03/12/25 08:47	03/12/25 15:25	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/22/25 19:50	02/24/25 13:57	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**137**	mg/L	5.0	5.0	1		02/26/25 19:46		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/26/25 19:46		
Alkalinity, Total as CaCO3	**137**	mg/L	5.0	5.0	1		02/26/25 19:46		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**764**	mg/L	50.0	50.0	1		02/22/25 14:31		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/21/25 03:44	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**62.8**	mg/L	1.0	0.60	1		02/20/25 08:03	16887-00-6	
Fluoride	**0.052J**	mg/L	0.10	0.050	1		02/20/25 08:03	16984-48-8	
Sulfate	**277**	mg/L	6.0	3.0	6		02/20/25 15:43	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	**0.00056J**	mg/L	0.0030	0.00050	1	03/10/25 12:15	03/18/25 21:48	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 21:48	7440-38-2	
Barium	**0.017**	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 21:48	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/10/25 12:15	03/18/25 21:48	7440-41-7	
Boron	**1.6**	mg/L	0.40	0.062	10	03/10/25 12:15	03/19/25 08:50	7440-42-8	
Cadmium	**0.00083**	mg/L	0.00050	0.00012	1	03/10/25 12:15	03/18/25 21:48	7440-43-9	
Calcium	**142**	mg/L	10.0	1.0	10	03/10/25 12:15	03/19/25 08:50	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 21:48	7440-47-3	
Cobalt	**0.0070**	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 21:48	7440-48-4	
Iron	**0.017J**	mg/L	0.040	0.012	1	03/10/25 12:15	03/18/25 21:48	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/10/25 12:15	03/18/25 21:48	7439-92-1	
Magnesium	**22.0**	mg/L	0.050	0.010	1	03/10/25 12:15	03/18/25 21:48	7439-95-4	
Manganese	**11.3**	mg/L	4.0	0.12	100	03/10/25 12:15	03/19/25 08:59	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/10/25 12:15	03/18/25 21:48	7439-98-7	
Potassium	**0.82**	mg/L	0.50	0.10	1	03/10/25 12:15	03/18/25 21:48	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 21:48	7782-49-2	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-HGWC-15 **Lab ID: 92779981010** Collected: 02/17/25 13:45 Received: 02/19/25 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**9.0**	mg/L	1.0	0.15	1	03/10/25 12:15	03/18/25 21:48	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 12:15	03/18/25 21:48	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-HGWC-16 **Lab ID: 92779981011** Collected: 02/17/25 10:26 Received: 02/19/25 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00272J**	mg/L	0.0300	0.000600	1	03/12/25 08:47	03/12/25 13:59	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/22/25 19:50	02/24/25 13:59	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**199**	mg/L	5.0	5.0	1		02/26/25 19:53		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/26/25 19:53		
Alkalinity, Total as CaCO3	**199**	mg/L	5.0	5.0	1		02/26/25 19:53		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**768**	mg/L	50.0	50.0	1		02/22/25 14:31		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/21/25 03:45	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**87.8**	mg/L	1.0	0.60	1		02/20/25 08:18	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/20/25 08:18	16984-48-8	
Sulfate	**200**	mg/L	5.0	2.5	5		02/20/25 15:58	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 12:15	03/18/25 21:57	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 21:57	7440-38-2	
Barium	**0.098**	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 21:57	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/10/25 12:15	03/18/25 21:57	7440-41-7	
Boron	**1.9**	mg/L	0.40	0.062	10	03/10/25 12:15	03/19/25 09:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/10/25 12:15	03/18/25 21:57	7440-43-9	
Calcium	**158**	mg/L	10.0	1.0	10	03/10/25 12:15	03/19/25 09:08	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 21:57	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 21:57	7440-48-4	
Iron	**1.5**	mg/L	0.040	0.012	1	03/10/25 12:15	03/18/25 21:57	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/10/25 12:15	03/18/25 21:57	7439-92-1	
Magnesium	**12.5**	mg/L	0.050	0.010	1	03/10/25 12:15	03/18/25 21:57	7439-95-4	
Manganese	**0.058**	mg/L	0.040	0.0012	1	03/10/25 12:15	03/18/25 21:57	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/10/25 12:15	03/18/25 21:57	7439-98-7	
Potassium	**0.70**	mg/L	0.50	0.10	1	03/10/25 12:15	03/18/25 21:57	7440-09-7	
Selenium	**0.0015J**	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 21:57	7782-49-2	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-HGWC-16 **Lab ID: 92779981011** Collected: 02/17/25 10:26 Received: 02/19/25 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**8.5**	mg/L	1.0	0.15	1	03/10/25 12:15	03/18/25 21:57	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 12:15	03/18/25 21:57	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-HGWC-18 **Lab ID: 92779981012** Collected: 02/18/25 09:47 Received: 02/19/25 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00876J**	mg/L	0.0300	0.000600	1	03/12/25 08:47	03/12/25 14:02	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/22/25 19:50	02/24/25 14:05	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/28/25 13:07		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/28/25 13:07		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/28/25 13:07		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**598**	mg/L	50.0	50.0	1		02/25/25 13:42		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/21/25 03:48	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**44.7**	mg/L	1.0	0.60	1		02/20/25 08:33	16887-00-6	
Fluoride	**0.067J**	mg/L	0.10	0.050	1		02/20/25 08:33	16984-48-8	
Sulfate	**289**	mg/L	7.0	3.5	7		02/20/25 16:13	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 12:15	03/18/25 22:06	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 22:06	7440-38-2	
Barium	**0.016**	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 22:06	7440-39-3	
Beryllium	**0.0015**	mg/L	0.00050	0.00015	1	03/10/25 12:15	03/18/25 22:06	7440-41-7	
Boron	**2.4**	mg/L	0.40	0.062	10	03/10/25 12:15	03/19/25 09:17	7440-42-8	
Cadmium	**0.00056**	mg/L	0.00050	0.00012	1	03/10/25 12:15	03/18/25 22:06	7440-43-9	
Calcium	**109**	mg/L	10.0	1.0	10	03/10/25 12:15	03/19/25 09:17	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 22:06	7440-47-3	
Cobalt	**0.061**	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 22:06	7440-48-4	
Iron	**0.10**	mg/L	0.040	0.012	1	03/10/25 12:15	03/18/25 22:06	7439-89-6	
Lead	**0.00038J**	mg/L	0.0010	0.00025	1	03/10/25 12:15	03/18/25 22:06	7439-92-1	
Magnesium	**11.5**	mg/L	0.050	0.010	1	03/10/25 12:15	03/18/25 22:06	7439-95-4	
Manganese	**2.0**	mg/L	0.40	0.012	10	03/10/25 12:15	03/19/25 09:17	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/10/25 12:15	03/18/25 22:06	7439-98-7	
Potassium	**5.3**	mg/L	0.50	0.10	1	03/10/25 12:15	03/18/25 22:06	7440-09-7	
Selenium	**0.0054**	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 22:06	7782-49-2	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-HGWC-18 **Lab ID: 92779981012** Collected: 02/18/25 09:47 Received: 02/19/25 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**8.7**	mg/L	1.0	0.15	1	03/10/25 12:15	03/18/25 22:06	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 12:15	03/18/25 22:06	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-MW-21D **Lab ID: 92779981013** Collected: 02/18/25 12:12 Received: 02/19/25 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0119J**	mg/L	0.0300	0.000600	1	03/12/25 08:47	03/12/25 14:05	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/22/25 19:50	02/24/25 14:08	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**135**	mg/L	5.0	5.0	1		02/28/25 13:21		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/28/25 13:21		
Alkalinity, Total as CaCO3	**135**	mg/L	5.0	5.0	1		02/28/25 13:21		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**419**	mg/L	25.0	25.0	1		02/25/25 13:42		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/21/25 03:49	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**30.1**	mg/L	1.0	0.60	1		02/20/25 08:48	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/20/25 08:48	16984-48-8	
Sulfate	**121**	mg/L	3.0	1.5	3		02/20/25 16:27	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 12:15	03/18/25 22:16	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 22:16	7440-38-2	
Barium	**0.045**	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 22:16	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/10/25 12:15	03/18/25 22:16	7440-41-7	
Boron	**1.7**	mg/L	0.40	0.062	10	03/10/25 12:15	03/19/25 09:26	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/10/25 12:15	03/18/25 22:16	7440-43-9	
Calcium	**77.4**	mg/L	10.0	1.0	10	03/10/25 12:15	03/19/25 09:26	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 22:16	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 22:16	7440-48-4	
Iron	**3.0**	mg/L	0.040	0.012	1	03/10/25 12:15	03/18/25 22:16	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/10/25 12:15	03/18/25 22:16	7439-92-1	
Magnesium	**13.7**	mg/L	0.050	0.010	1	03/10/25 12:15	03/18/25 22:16	7439-95-4	
Manganese	**0.21**	mg/L	0.040	0.0012	1	03/10/25 12:15	03/18/25 22:16	7439-96-5	
Molybdenum	**0.0098J**	mg/L	0.010	0.0025	1	03/10/25 12:15	03/18/25 22:16	7439-98-7	
Potassium	**0.63**	mg/L	0.50	0.10	1	03/10/25 12:15	03/18/25 22:16	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 22:16	7782-49-2	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-MW-21D **Lab ID: 92779981013** Collected: 02/18/25 12:12 Received: 02/19/25 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**7.0**	mg/L	1.0	0.15	1	03/10/25 12:15	03/18/25 22:16	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 12:15	03/18/25 22:16	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-MW-22 **Lab ID: 92779981014** Collected: 02/18/25 10:00 Received: 02/19/25 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00119J**	mg/L	0.0300	0.000600	1	03/12/25 08:47	03/12/25 14:08	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/22/25 19:50	02/24/25 14:10	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**33.9**	mg/L	5.0	5.0	1		02/28/25 13:39		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/28/25 13:39		
Alkalinity, Total as CaCO3	**33.9**	mg/L	5.0	5.0	1		02/28/25 13:39		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**830**	mg/L	50.0	50.0	1		02/25/25 13:42		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/21/25 03:50	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**93.6**	mg/L	1.0	0.60	1		02/20/25 09:03	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/20/25 09:03	16984-48-8	
Sulfate	**370**	mg/L	9.0	4.5	9		02/20/25 16:42	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 12:15	03/18/25 22:25	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 22:25	7440-38-2	
Barium	**0.013**	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 22:25	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/10/25 12:15	03/18/25 22:25	7440-41-7	
Boron	**2.0**	mg/L	0.40	0.062	10	03/10/25 12:15	03/19/25 09:35	7440-42-8	
Cadmium	**0.0016**	mg/L	0.00050	0.00012	1	03/10/25 12:15	03/18/25 22:25	7440-43-9	
Calcium	**146**	mg/L	10.0	1.0	10	03/10/25 12:15	03/19/25 09:35	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 22:25	7440-47-3	
Cobalt	**0.025**	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 22:25	7440-48-4	
Iron	**0.084**	mg/L	0.040	0.012	1	03/10/25 12:15	03/18/25 22:25	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/10/25 12:15	03/18/25 22:25	7439-92-1	
Magnesium	**29.8**	mg/L	0.50	0.10	10	03/10/25 12:15	03/19/25 09:35	7439-95-4	
Manganese	**14.2**	mg/L	4.0	0.12	100	03/10/25 12:15	03/19/25 09:44	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/10/25 12:15	03/18/25 22:25	7439-98-7	
Potassium	**0.68**	mg/L	0.50	0.10	1	03/10/25 12:15	03/18/25 22:25	7440-09-7	
Selenium	**0.0015J**	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 22:25	7782-49-2	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-MW-22 **Lab ID: 92779981014** Collected: 02/18/25 10:00 Received: 02/19/25 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**11.3**	mg/L	1.0	0.15	1	03/10/25 12:15	03/18/25 22:25	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 12:15	03/18/25 22:25	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-MW-23D **Lab ID: 92779981015** Collected: 02/17/25 10:52 Received: 02/19/25 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00197J**	mg/L	0.0300	0.000600	1	03/12/25 08:27	03/12/25 10:29	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/22/25 19:50	02/24/25 14:12	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**234**	mg/L	5.0	5.0	1		02/26/25 20:01		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/26/25 20:01		
Alkalinity, Total as CaCO3	**234**	mg/L	5.0	5.0	1		02/26/25 20:01		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1070**	mg/L	50.0	50.0	1		02/22/25 14:31		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/21/25 03:45	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**105**	mg/L	7.0	4.2	7		02/20/25 16:57	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/20/25 09:47	16984-48-8	
Sulfate	**321**	mg/L	7.0	3.5	7		02/20/25 16:57	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 12:15	03/18/25 22:34	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 22:34	7440-38-2	
Barium	**0.035**	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 22:34	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/10/25 12:15	03/18/25 22:34	7440-41-7	
Boron	**2.4**	mg/L	0.80	0.12	20	03/10/25 12:15	03/19/25 09:53	7440-42-8	
Cadmium	**0.00015J**	mg/L	0.00050	0.00012	1	03/10/25 12:15	03/18/25 22:34	7440-43-9	
Calcium	**215**	mg/L	20.0	2.0	20	03/10/25 12:15	03/19/25 09:53	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 22:34	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 22:34	7440-48-4	
Iron	**0.060**	mg/L	0.040	0.012	1	03/10/25 12:15	03/18/25 22:34	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/10/25 12:15	03/18/25 22:34	7439-92-1	
Magnesium	**22.7**	mg/L	0.050	0.010	1	03/10/25 12:15	03/18/25 22:34	7439-95-4	
Manganese	**4.6**	mg/L	0.80	0.025	20	03/10/25 12:15	03/19/25 09:53	7439-96-5	
Molybdenum	**0.0039J**	mg/L	0.010	0.0025	1	03/10/25 12:15	03/18/25 22:34	7439-98-7	
Potassium	**1.5**	mg/L	0.50	0.10	1	03/10/25 12:15	03/18/25 22:34	7440-09-7	
Selenium	**0.0014J**	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 22:34	7782-49-2	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-MW-23D **Lab ID: 92779981015** Collected: 02/17/25 10:52 Received: 02/19/25 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**10.6**	mg/L	1.0	0.15	1	03/10/25 12:15	03/18/25 22:34	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 12:15	03/18/25 22:34	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-MW-34D **Lab ID: 92779981016** Collected: 02/18/25 11:15 Received: 02/19/25 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00230J**	mg/L	0.0300	0.000600	1	03/12/25 08:27	03/12/25 10:42	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/22/25 19:50	02/24/25 14:14	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**118**	mg/L	5.0	5.0	1		02/28/25 13:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/28/25 13:45		
Alkalinity, Total as CaCO3	**118**	mg/L	5.0	5.0	1		02/28/25 13:45		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1630**	mg/L	50.0	50.0	1		02/25/25 13:42		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/21/25 03:50	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**215**	mg/L	15.0	9.0	15		02/20/25 17:11	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/20/25 10:02	16984-48-8	
Sulfate	**620**	mg/L	15.0	7.5	15		02/20/25 17:11	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 12:15	03/18/25 22:43	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 22:43	7440-38-2	
Barium	**0.030**	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 22:43	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/10/25 12:15	03/18/25 22:43	7440-41-7	
Boron	**5.7**	mg/L	2.0	0.31	50	03/10/25 12:15	03/19/25 10:03	7440-42-8	
Cadmium	**0.0022**	mg/L	0.00050	0.00012	1	03/10/25 12:15	03/18/25 22:43	7440-43-9	
Calcium	**287**	mg/L	50.0	5.0	50	03/10/25 12:15	03/19/25 10:03	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 22:43	7440-47-3	
Cobalt	**0.0035J**	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 22:43	7440-48-4	
Iron	**0.20**	mg/L	0.040	0.012	1	03/10/25 12:15	03/18/25 22:43	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/10/25 12:15	03/18/25 22:43	7439-92-1	
Magnesium	**34.9**	mg/L	2.5	0.50	50	03/10/25 12:15	03/19/25 10:03	7439-95-4	
Manganese	**2.4**	mg/L	2.0	0.062	50	03/10/25 12:15	03/19/25 10:03	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/10/25 12:15	03/18/25 22:43	7439-98-7	
Potassium	**5.5**	mg/L	0.50	0.10	1	03/10/25 12:15	03/18/25 22:43	7440-09-7	
Selenium	**0.0049J**	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 22:43	7782-49-2	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-MW-34D **Lab ID: 92779981016** Collected: 02/18/25 11:15 Received: 02/19/25 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**11.3**	mg/L	1.0	0.15	1	03/10/25 12:15	03/18/25 22:43	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 12:15	03/18/25 22:43	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-MW-37D **Lab ID: 92779981017** Collected: 02/17/25 15:23 Received: 02/19/25 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0216J**	mg/L	0.0300	0.000600	1	03/12/25 08:27	03/12/25 10:45	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/22/25 19:50	02/24/25 14:16	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**161**	mg/L	5.0	5.0	1		02/26/25 20:09		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/26/25 20:09		
Alkalinity, Total as CaCO3	**161**	mg/L	5.0	5.0	1		02/26/25 20:09		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**217**	mg/L	25.0	25.0	1		02/22/25 14:31		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**0.037J**	mg/L	0.10	0.022	1		02/21/25 03:46	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**3.2**	mg/L	1.0	0.60	1		02/20/25 10:17	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/20/25 10:17	16984-48-8	
Sulfate	**19.1**	mg/L	1.0	0.50	1		02/20/25 10:17	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 12:15	03/18/25 23:10	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 23:10	7440-38-2	
Barium	**0.15**	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 23:10	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/10/25 12:15	03/18/25 23:10	7440-41-7	
Boron	**0.052**	mg/L	0.040	0.0062	1	03/10/25 12:15	03/18/25 23:10	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/10/25 12:15	03/18/25 23:10	7440-43-9	
Calcium	**40.2**	mg/L	10.0	1.0	10	03/10/25 12:15	03/19/25 10:30	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 23:10	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 23:10	7440-48-4	
Iron	**0.23**	mg/L	0.040	0.012	1	03/10/25 12:15	03/18/25 23:10	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/10/25 12:15	03/18/25 23:10	7439-92-1	
Magnesium	**8.7**	mg/L	0.50	0.10	10	03/10/25 12:15	03/19/25 10:30	7439-95-4	
Manganese	**0.018J**	mg/L	0.040	0.0012	1	03/10/25 12:15	03/18/25 23:10	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/10/25 12:15	03/18/25 23:10	7439-98-7	
Potassium	**0.54**	mg/L	0.50	0.10	1	03/10/25 12:15	03/18/25 23:10	7440-09-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 23:10	7782-49-2	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-MW-37D **Lab ID: 92779981017** Collected: 02/17/25 15:23 Received: 02/19/25 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Sodium	**8.8**	mg/L	1.0	0.15	1	03/10/25 12:15	03/18/25 23:10	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 12:15	03/18/25 23:10	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-AP2-FD-01 **Lab ID: 92779981018** Collected: 02/17/25 00:00 Received: 02/19/25 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00291J**	mg/L	0.0300	0.000600	1	03/12/25 08:27	03/12/25 10:48	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/22/25 19:50	02/24/25 14:18	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**770**	mg/L	50.0	50.0	1		02/22/25 14:31		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**87.8**	mg/L	1.0	0.60	1		02/20/25 11:02	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/20/25 11:02	16984-48-8	
Sulfate	**200**	mg/L	5.0	2.5	5		02/20/25 17:26	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 12:15	03/18/25 23:19	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 23:19	7440-38-2	
Barium	**0.099**	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 23:19	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/10/25 12:15	03/18/25 23:19	7440-41-7	
Boron	**1.8**	mg/L	0.40	0.062	10	03/10/25 12:15	03/19/25 10:39	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/10/25 12:15	03/18/25 23:19	7440-43-9	
Calcium	**164**	mg/L	10.0	1.0	10	03/10/25 12:15	03/19/25 10:39	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 23:19	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 23:19	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/10/25 12:15	03/18/25 23:19	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/10/25 12:15	03/18/25 23:19	7439-98-7	
Selenium	**0.0014J**	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 23:19	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 12:15	03/18/25 23:19	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-AP2-FD-02 **Lab ID: 92779981019** Collected: 02/17/25 00:00 Received: 02/19/25 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00218J**	mg/L	0.0300	0.000600	1	03/18/25 08:39	03/18/25 13:07	7439-93-2	J
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/22/25 19:50	02/24/25 14:20	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1090**	mg/L	50.0	50.0	1		02/22/25 14:31		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**105**	mg/L	7.0	4.2	7		02/20/25 17:41	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/20/25 11:17	16984-48-8	
Sulfate	**323**	mg/L	7.0	3.5	7		02/20/25 17:41	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 12:15	03/18/25 23:28	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 23:28	7440-38-2	
Barium	**0.035**	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 23:28	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/10/25 12:15	03/18/25 23:28	7440-41-7	
Boron	**2.4**	mg/L	0.80	0.12	20	03/10/25 12:15	03/19/25 10:48	7440-42-8	
Cadmium	**0.00015J**	mg/L	0.00050	0.00012	1	03/10/25 12:15	03/18/25 23:28	7440-43-9	
Calcium	**201**	mg/L	20.0	2.0	20	03/10/25 12:15	03/19/25 10:48	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 23:28	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 23:28	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/10/25 12:15	03/18/25 23:28	7439-92-1	
Molybdenum	**0.0040J**	mg/L	0.010	0.0025	1	03/10/25 12:15	03/18/25 23:28	7439-98-7	
Selenium	**0.0017J**	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 23:28	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 12:15	03/18/25 23:28	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-AP2-EB-02 **Lab ID: 92779981020** Collected: 02/17/25 17:40 Received: 02/19/25 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/12/25 08:27	03/12/25 10:52	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/22/25 19:50	02/24/25 14:22	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/22/25 14:31		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/19/25 22:41	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/19/25 22:41	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/19/25 22:41	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 12:15	03/18/25 23:37	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 23:37	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 23:37	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/10/25 12:15	03/18/25 23:37	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	03/10/25 12:15	03/18/25 23:37	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/10/25 12:15	03/18/25 23:37	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	03/10/25 12:15	03/18/25 23:37	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 23:37	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 23:37	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/10/25 12:15	03/18/25 23:37	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/10/25 12:15	03/18/25 23:37	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 23:37	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 12:15	03/18/25 23:37	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-AP2-FB-02 **Lab ID: 92779981021** Collected: 02/17/25 17:35 Received: 02/19/25 15:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/12/25 08:27	03/12/25 11:04	7439-93-2	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	mg/L	0.00020	0.00012	1	02/22/25 19:50	02/24/25 14:24	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/22/25 14:31		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/19/25 22:56	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/19/25 22:56	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/19/25 22:56	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/10/25 12:15	03/18/25 23:46	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 23:46	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 23:46	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/10/25 12:15	03/18/25 23:46	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	03/10/25 12:15	03/18/25 23:46	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/10/25 12:15	03/18/25 23:46	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	03/10/25 12:15	03/18/25 23:46	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 23:46	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 23:46	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/10/25 12:15	03/18/25 23:46	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/10/25 12:15	03/18/25 23:46	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/10/25 12:15	03/18/25 23:46	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	03/10/25 12:15	03/18/25 23:46	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-MW-35 **Lab ID: 92779981022** Collected: 03/06/25 13:38 Received: 03/10/25 12:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00319J**	mg/L	0.0300	0.000600	1	03/13/25 23:46	03/14/25 13:25	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**11.3**	mg/L	5.0	5.0	1		03/13/25 15:52		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		03/13/25 15:52		
Alkalinity, Total as CaCO3	**11.3**	mg/L	5.0	5.0	1		03/13/25 15:52		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**2060**	mg/L	50.0	50.0	1		03/13/25 11:23		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		03/12/25 03:11	18496-25-8	M1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**141**	mg/L	15.0	9.0	15		03/12/25 11:54	16887-00-6	
Fluoride	**0.066J**	mg/L	0.10	0.050	1		03/12/25 07:41	16984-48-8	
Sulfate	**942**	mg/L	15.0	7.5	15		03/12/25 11:54	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/28/25 05:30	03/28/25 13:55	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/28/25 05:30	03/28/25 13:55	7440-38-2	
Barium	**0.024**	mg/L	0.0050	0.0012	1	03/28/25 05:30	03/28/25 13:55	7440-39-3	
Beryllium	**0.00033J**	mg/L	0.00050	0.00015	1	03/28/25 05:30	03/28/25 13:55	7440-41-7	
Boron	**9.4**	mg/L	0.80	0.12	20	03/28/25 05:30	03/28/25 14:04	7440-42-8	
Cadmium	**0.0014**	mg/L	0.00050	0.00012	1	03/28/25 05:30	03/28/25 13:55	7440-43-9	
Calcium	**476**	mg/L	20.0	2.0	20	03/28/25 05:30	03/28/25 14:04	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/28/25 05:30	03/28/25 13:55	7440-47-3	
Cobalt	**0.082**	mg/L	0.0050	0.0012	1	03/28/25 05:30	03/28/25 13:55	7440-48-4	
Iron	**9.6**	mg/L	0.040	0.012	1	03/28/25 05:30	03/28/25 13:55	7439-89-6	
Lead	**0.00035J**	mg/L	0.0010	0.00025	1	03/28/25 05:30	03/28/25 13:55	7439-92-1	
Magnesium	**67.7**	mg/L	1.0	0.20	20	03/28/25 05:30	03/28/25 14:04	7439-95-4	
Manganese	**10**	mg/L	0.80	0.025	20	03/28/25 05:30	03/28/25 14:04	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/28/25 05:30	03/28/25 13:55	7439-98-7	
Potassium	**7.2**	mg/L	0.50	0.10	1	03/28/25 05:30	03/28/25 13:55	7440-09-7	
Selenium	**0.0064**	mg/L	0.0050	0.0012	1	03/28/25 05:30	03/28/25 13:55	7782-49-2	
Sodium	**16.2**	mg/L	5.0	0.75	5	03/28/25 05:30	04/02/25 09:19	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/28/25 05:30	03/28/25 13:55	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-MW-35 **Lab ID: 92779981022** Collected: 03/06/25 13:38 Received: 03/10/25 12:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	**0.00035**	mg/L	0.00020	0.000091	1	03/31/25 17:55	03/31/25 22:35	7439-97-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-MW-51 **Lab ID: 92779981023** Collected: 03/06/25 15:12 Received: 03/10/25 12:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00184J**	mg/L	0.0300	0.000600	1	03/13/25 23:46	03/14/25 13:28	7439-93-2	J
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**68.4**	mg/L	5.0	5.0	1		03/13/25 15:57		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		03/13/25 15:57		
Alkalinity, Total as CaCO3	**68.4**	mg/L	5.0	5.0	1		03/13/25 15:57		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1750**	mg/L	50.0	50.0	1		03/13/25 11:23		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		03/12/25 03:43	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**87.5**	mg/L	12.0	7.2	12		03/12/25 12:09	16887-00-6	
Fluoride	**0.078J**	mg/L	0.10	0.050	1		03/12/25 08:27	16984-48-8	
Sulfate	**832**	mg/L	12.0	6.0	12		03/12/25 12:09	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/26/25 10:55	03/27/25 16:39	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/26/25 10:55	03/27/25 16:39	7440-38-2	
Barium	**0.024**	mg/L	0.0050	0.0012	1	03/26/25 10:55	03/27/25 16:39	7440-39-3	
Beryllium	**0.00041J**	mg/L	0.00050	0.00015	1	03/26/25 10:55	03/27/25 16:39	7440-41-7	
Boron	**8.7**	mg/L	4.0	0.62	100	03/26/25 10:55	03/27/25 17:15	7440-42-8	
Cadmium	**0.0013**	mg/L	0.00050	0.00012	1	03/26/25 10:55	03/27/25 16:39	7440-43-9	
Calcium	**414**	mg/L	20.0	2.0	20	03/26/25 10:55	03/27/25 17:06	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/26/25 10:55	03/27/25 16:39	7440-47-3	
Cobalt	**0.014**	mg/L	0.0050	0.0012	1	03/26/25 10:55	03/27/25 16:39	7440-48-4	
Iron	**0.12**	mg/L	0.040	0.012	1	03/26/25 10:55	03/27/25 16:39	7439-89-6	
Lead	ND	mg/L	0.0010	0.00025	1	03/26/25 10:55	03/27/25 16:39	7439-92-1	
Magnesium	**42.9**	mg/L	0.50	0.10	10	03/26/25 10:55	03/27/25 16:57	7439-95-4	
Manganese	**5.1**	mg/L	0.80	0.025	20	03/26/25 10:55	03/27/25 17:06	7439-96-5	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/26/25 10:55	03/27/25 16:39	7439-98-7	
Potassium	**8.0**	mg/L	0.50	0.10	1	03/26/25 10:55	03/27/25 16:39	7440-09-7	
Selenium	**0.0068**	mg/L	0.0050	0.0012	1	03/26/25 10:55	03/27/25 16:39	7782-49-2	
Sodium	**10.9**	mg/L	1.0	0.15	1	03/26/25 10:55	03/27/25 16:39	7440-23-5	
Thallium	ND	mg/L	0.0010	0.00015	1	03/26/25 10:55	03/27/25 16:39	7440-28-0	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92779981

Sample: HAM-MW-51 **Lab ID: 92779981023** Collected: 03/06/25 15:12 Received: 03/10/25 12:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	03/18/25 23:40	03/20/25 00:32	7439-97-6	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 2467115 — Analysis Method: EPA 6020B
QC Batch Method: 3015 — Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92779981001, 92779981002, 92779981003, 92779981004, 92779981005, 92779981007, 92779981008, 92779981009, 92779981010, 92779981011, 92779981012, 92779981013, 92779981014

METHOD BLANK: R4185544-1 — Matrix: Water
Associated Lab Samples: 92779981001, 92779981002, 92779981003, 92779981004, 92779981005, 92779981007, 92779981008, 92779981009, 92779981010, 92779981011, 92779981012, 92779981013, 92779981014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.0300	0.000600	03/12/25 14:18	

LABORATORY CONTROL SAMPLE: R4185544-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0508	102	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4185544-4 R4185544-5

Parameter	Units	L1834532-20 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.0157	0.0500	0.0500	0.0666	0.0669	102	102	75.0-125	0.453	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 2467116
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92779981015, 92779981016, 92779981017, 92779981018, 92779981020, 92779981021

METHOD BLANK: R4185429-1 Matrix: Water
Associated Lab Samples: 92779981015, 92779981016, 92779981017, 92779981018, 92779981020, 92779981021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.0300	0.000600	03/12/25 10:23	

LABORATORY CONTROL SAMPLE: R4185429-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0497	99.5	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4185429-4 R4185429-5

Parameter	Units	92779981015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.00197	0.0500	0.0500	0.0512	0.0517	98.4	99.4	75.0-125	0.992	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 2468198
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92779981022, 92779981023

METHOD BLANK: R4186486-1 Matrix: Water
Associated Lab Samples: 92779981022, 92779981023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.0300	0.000600	03/14/25 11:58	

LABORATORY CONTROL SAMPLE: R4186486-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0486	97.3	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4186486-4 R4186486-5

Parameter	Units	L1835261-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.00652	0.0500	0.0500	0.0549	0.0534	96.8	93.8	75.0-125	2.82	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 2470161
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92779981006, 92779981019

METHOD BLANK: R4187700-1 Matrix: Water
Associated Lab Samples: 92779981006, 92779981019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.0300	0.000600	03/18/25 12:47	

LABORATORY CONTROL SAMPLE: R4187700-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0523	105	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4187700-4 R4187700-5

Parameter	Units	92779981006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.000839	0.0500	0.0500	0.0525	0.0551	103	108	75.0-125	4.65	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 916870
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981001

METHOD BLANK: 4711924 Matrix: Water
Associated Lab Samples: 92779981001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00012	02/21/25 15:35	

LABORATORY CONTROL SAMPLE: 4711925

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4711926 4711927

Parameter	Units	92779246001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0025	0.0025	97	97	75-125	0	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 917240
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981002, 92779981003, 92779981004, 92779981005, 92779981006, 92779981007, 92779981008

METHOD BLANK: 4713992 Matrix: Water
Associated Lab Samples: 92779981002, 92779981003, 92779981004, 92779981005, 92779981006, 92779981007, 92779981008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00012	02/23/25 13:30	

LABORATORY CONTROL SAMPLE: 4713993

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0023	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4713994 4713995

Parameter	Units	92779981002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0024	0.0024	97	98	75-125	1	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 917874
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981009, 92779981010, 92779981011, 92779981012, 92779981013, 92779981014, 92779981015, 92779981016, 92779981017, 92779981018, 92779981019, 92779981020, 92779981021

METHOD BLANK: 4717719 Matrix: Water
Associated Lab Samples: 92779981009, 92779981010, 92779981011, 92779981012, 92779981013, 92779981014, 92779981015, 92779981016, 92779981017, 92779981018, 92779981019, 92779981020, 92779981021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00012	02/24/25 13:41	

LABORATORY CONTROL SAMPLE: 4717720

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0026	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4717721 4717722

Parameter	Units	92780477002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0026	0.0025	103	102	75-125	1	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 917443
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981001

METHOD BLANK: 4715340 Matrix: Water
Associated Lab Samples: 92779981001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/20/25 11:31	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/20/25 11:31	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/20/25 11:31	

LABORATORY CONTROL SAMPLE: 4715341

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.4	103	80-120	

LABORATORY CONTROL SAMPLE: 4715342

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.6	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4715343 4715344

Parameter	Units	92778538048 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	102	50	50	148	148	91	92	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4715345 4715346

Parameter	Units	92778538049 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	166	50	50	208	211	83	90	80-120	2	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 918325
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981002, 92779981003, 92779981004

METHOD BLANK: 4719412 Matrix: Water
Associated Lab Samples: 92779981002, 92779981003, 92779981004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/25/25 14:59	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/25/25 14:59	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/25/25 14:59	

LABORATORY CONTROL SAMPLE: 4719413

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.8	104	80-120	

LABORATORY CONTROL SAMPLE: 4719414

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4719415 4719416

Parameter	Units	92779983010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	143	50	50	191	193	97	100	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4719417 4719418

Parameter	Units	92779983011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	ND	50	50	51.6	51.6	102	102	80-120	0	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 918376
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981005, 92779981006

METHOD BLANK: 4719836 Matrix: Water
Associated Lab Samples: 92779981005, 92779981006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/25/25 19:19	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/25/25 19:19	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/25/25 19:19	

LABORATORY CONTROL SAMPLE: 4719837

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.8	104	80-120	

LABORATORY CONTROL SAMPLE: 4719838

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.1	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4719839 4719840

Parameter	Units	92780133001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	48.5	50	50	88.4	99.6	80	102	80-120	12	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4719841 4719842

Parameter	Units	92780133002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	48.3	50	50	97.7	98.1	99	100	80-120	0	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 918580 | Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981010, 92779981011, 92779981015, 92779981017

METHOD BLANK: 4720642 Matrix: Water
Associated Lab Samples: 92779981010, 92779981011, 92779981015, 92779981017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/26/25 16:07	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/26/25 16:07	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/26/25 16:07	

LABORATORY CONTROL SAMPLE: 4720643

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.7	103	80-120	

LABORATORY CONTROL SAMPLE: 4720644

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.9	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4722358 4722359

Parameter	Units	92780145004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	82.2	50	50	134	135	104	105	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4722360 4722361

Parameter	Units	92780145005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	68.8	50	50	119	120	100	103	80-120	1	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 918962
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981009, 92779981012, 92779981013, 92779981014, 92779981016

METHOD BLANK: 4722470 Matrix: Water
Associated Lab Samples: 92779981009, 92779981012, 92779981013, 92779981014, 92779981016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/28/25 12:36	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/28/25 12:36	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/28/25 12:36	

LABORATORY CONTROL SAMPLE: 4722471

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.8	102	80-120	

LABORATORY CONTROL SAMPLE: 4722472

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.6	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4722473 4722474

Parameter	Units	92779981009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	ND	50	50	51.2	52.0	100	101	80-120	2	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4722475 4722476

Parameter	Units	92779981012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	ND	50	50	50.9	51.0	99	99	80-120	0	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 921818
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981022, 92779981023

METHOD BLANK: 4736478 Matrix: Water
Associated Lab Samples: 92779981022, 92779981023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	03/13/25 12:15	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	03/13/25 12:15	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	03/13/25 12:15	

LABORATORY CONTROL SAMPLE: 4736479

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

LABORATORY CONTROL SAMPLE: 4736480

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.7	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4736481 4736482

Parameter	Units	92784200001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	402	50	50	444	448	84	92	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4736483 4736484

Parameter	Units	92784054001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	186	50	50	233	236	94	100	80-120	1	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 917012
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981001

METHOD BLANK: 4712793 Matrix: Water
Associated Lab Samples: 92779981001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/18/25 17:54	

LABORATORY CONTROL SAMPLE: 4712794

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	244	98	90-110	

SAMPLE DUPLICATE: 4712795

Parameter	Units	92779374018 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	341	348	2	25	

SAMPLE DUPLICATE: 4712796

Parameter	Units	92779989003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	273	273	0	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 917625
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981002, 92779981003

METHOD BLANK: 4716346 Matrix: Water
Associated Lab Samples: 92779981002, 92779981003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/21/25 11:28	

LABORATORY CONTROL SAMPLE: 4716347

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	244	98	90-110	

SAMPLE DUPLICATE: 4716348

Parameter	Units	92779777001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	5470	5540	1	25	

SAMPLE DUPLICATE: 4716349

Parameter	Units	92779991002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	506	480	5	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 917626
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981004

METHOD BLANK: 4716350 Matrix: Water
Associated Lab Samples: 92779981004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/21/25 12:15	

LABORATORY CONTROL SAMPLE: 4716351

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	246	98	90-110	

SAMPLE DUPLICATE: 4716352

Parameter	Units	92779981004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	192	196	2	25	

SAMPLE DUPLICATE: 4716353

Parameter	Units	92779985006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	640	650	2	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 917627 | Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981005, 92779981006, 92779981007, 92779981008

METHOD BLANK: 4716354 Matrix: Water
Associated Lab Samples: 92779981005, 92779981006, 92779981007, 92779981008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/21/25 16:57	

LABORATORY CONTROL SAMPLE: 4716355

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	240	96	90-110	

SAMPLE DUPLICATE: 4716356

Parameter	Units	92779977013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	301	302	0	25	

SAMPLE DUPLICATE: 4716357

Parameter	Units	92779987010 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	275	287	4	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 917869
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981010, 92779981011, 92779981015, 92779981017, 92779981018, 92779981019, 92779981020, 92779981021

METHOD BLANK: 4717705 Matrix: Water
Associated Lab Samples: 92779981010, 92779981011, 92779981015, 92779981017, 92779981018, 92779981019, 92779981020, 92779981021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/22/25 14:30	

LABORATORY CONTROL SAMPLE: 4717706

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	270	108	90-110	

SAMPLE DUPLICATE: 4717707

Parameter	Units	92780440001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	290	296	2	25	

SAMPLE DUPLICATE: 4717708

Parameter	Units	92779981018 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	770	754	2	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 918247 | Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981009, 92779981012, 92779981013, 92779981014, 92779981016

METHOD BLANK: 4719173 Matrix: Water
Associated Lab Samples: 92779981009, 92779981012, 92779981013, 92779981014, 92779981016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/25/25 13:41	

LABORATORY CONTROL SAMPLE: 4719174

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	250	100	90-110	

SAMPLE DUPLICATE: 4719175

Parameter	Units	92780627004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	143	149	4	25	

SAMPLE DUPLICATE: 4719176

Parameter	Units	92780908005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	73.0	75.0	3	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 921871
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981022, 92779981023

METHOD BLANK: 4736798 Matrix: Water
Associated Lab Samples: 92779981022, 92779981023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	03/13/25 11:23	

LABORATORY CONTROL SAMPLE: 4736799

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	250	100	90-110	

SAMPLE DUPLICATE: 4737197

Parameter	Units	92779981022 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2060	2050	1	25	

SAMPLE DUPLICATE: 4737198

Parameter	Units	92783828004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	455	461	1	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 916812
QC Batch Method: SM 4500-S2D-2011
Analysis Method: SM 4500-S2D-2011
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981001

METHOD BLANK: 4711805 Matrix: Water
Associated Lab Samples: 92779981001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	02/19/25 01:43	

LABORATORY CONTROL SAMPLE: 4711806

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.55	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4711807 4711808

Parameter	Units	92779374016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.55	0.55	110	110	80-120	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4711809 4711810

Parameter	Units	92779989003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	0.025J	0.5	0.5	0.55	0.57	104	109	80-120	4	10	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 916813
QC Batch Method: SM 4500-S2D-2011
Analysis Method: SM 4500-S2D-2011
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981002, 92779981003, 92779981004

METHOD BLANK: 4711811 Matrix: Water
Associated Lab Samples: 92779981002, 92779981003, 92779981004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	02/19/25 01:58	

LABORATORY CONTROL SAMPLE: 4711812

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.55	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4711813 4711814

Parameter	Units	92779987004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.54	0.53	107	107	80-120	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4711815 4711816

Parameter	Units	92779977007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.52	0.55	104	110	80-120	6	10	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 916814
QC Batch Method: SM 4500-S2D-2011
Analysis Method: SM 4500-S2D-2011
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981005, 92779981006

METHOD BLANK: 4711817 Matrix: Water
Associated Lab Samples: 92779981005, 92779981006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	02/19/25 02:11	

LABORATORY CONTROL SAMPLE: 4711818

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.54	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4711819 4711820

Parameter	Units	92779987007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.48	0.51	96	103	80-120	7	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4711821 4711822

Parameter	Units	92779987011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.53	0.55	107	111	80-120	3	10	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 917635
QC Batch Method: SM 4500-S2D-2011
Analysis Method: SM 4500-S2D-2011
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981009, 92779981010, 92779981011, 92779981012, 92779981013, 92779981014, 92779981015, 92779981016, 92779981017

METHOD BLANK: 4716376 Matrix: Water
Associated Lab Samples: 92779981009, 92779981010, 92779981011, 92779981012, 92779981013, 92779981014, 92779981015, 92779981016, 92779981017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	02/21/25 03:40	

LABORATORY CONTROL SAMPLE: 4716377

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.43	86	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4716380 4716381

Parameter	Units	92780281001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.50	0.51	99	100	80-120	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4716410 4716411

Parameter	Units	92780075001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.52	0.55	104	109	80-120	5	10	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 921311
QC Batch Method: SM 4500-S2D-2011
Analysis Method: SM 4500-S2D-2011
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981022

METHOD BLANK: 4734054 Matrix: Water
Associated Lab Samples: 92779981022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	03/12/25 02:59	

LABORATORY CONTROL SAMPLE & LCSD: 4734055 4735321

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Sulfide	mg/L	0.5	0.51	0.53	101	107	80-120	5	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4735322 4735323

Parameter	Units	92779981022 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.33	0.34	66	67	80-120	2	10	M1

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 921580
QC Batch Method: SM 4500-S2D-2011
Analysis Method: SM 4500-S2D-2011
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981023

METHOD BLANK: 4735327 Matrix: Water
Associated Lab Samples: 92779981023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	03/12/25 03:37	

LABORATORY CONTROL SAMPLE: 4735328

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.50	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4735329 4735330

Parameter	Units	92783828006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.40	0.42	78	83	80-120	6	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4735331 4735332

Parameter	Units	92784126003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.38	0.39	75	78	80-120	4	10	M1

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 916738
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981001

METHOD BLANK: 4711421 Matrix: Water
Associated Lab Samples: 92779981001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/17/25 22:58	
Fluoride	mg/L	ND	0.10	0.050	02/17/25 22:58	
Sulfate	mg/L	ND	1.0	0.50	02/17/25 22:58	

LABORATORY CONTROL SAMPLE: 4711422

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.3	101	90-110	
Fluoride	mg/L	2.5	2.5	99	90-110	
Sulfate	mg/L	50	50.4	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4711423 4711424

Parameter	Units	92779977001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	11.7	50	50	63.0	64.7	103	106	90-110	3	10	
Fluoride	mg/L	0.30	2.5	2.5	3.1	3.2	111	116	90-110	4	10	M1
Sulfate	mg/L	155	50	50	190	191	70	70	90-110	0	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4711425 4711426

Parameter	Units	92779987003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	2.8	50	50	53.8	56.7	102	108	90-110	5	10	
Fluoride	mg/L	0.093J	2.5	2.5	2.7	2.9	105	112	90-110	6	10	M1
Sulfate	mg/L	1.1	50	50	52.1	55.1	102	108	90-110	5	10	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 916790
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981002, 92779981003, 92779981004

METHOD BLANK: 4711720 Matrix: Water
Associated Lab Samples: 92779981002, 92779981003, 92779981004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/17/25 23:38	
Fluoride	mg/L	ND	0.10	0.050	02/17/25 23:38	
Sulfate	mg/L	ND	1.0	0.50	02/17/25 23:38	

LABORATORY CONTROL SAMPLE: 4711721

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.3	97	90-110	
Fluoride	mg/L	2.5	2.4	95	90-110	
Sulfate	mg/L	50	45.5	91	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4711722 4711723

Parameter	Units	92779977006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	30.7	50	50	81.7	82.9	102	105	90-110	1	10	
Fluoride	mg/L	0.056J	2.5	2.5	2.4	2.5	95	98	90-110	3	10	
Sulfate	mg/L	98.5	50	50	128	128	60	59	90-110	0	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4711724 4711725

Parameter	Units	92779977016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	22.0	50	50	72.6	70.0	101	96	90-110	4	10	
Fluoride	mg/L	0.13	2.5	2.5	2.5	2.4	95	90	90-110	5	10	
Sulfate	mg/L	53.6	50	50	88.8	99.3	70	92	90-110	11	10	M1,R1

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 916791
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981005, 92779981006, 92779981007, 92779981008

METHOD BLANK: 4711726 Matrix: Water
Associated Lab Samples: 92779981005, 92779981006, 92779981007, 92779981008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/18/25 01:36	
Fluoride	mg/L	ND	0.10	0.050	02/18/25 01:36	
Sulfate	mg/L	ND	1.0	0.50	02/18/25 01:36	

LABORATORY CONTROL SAMPLE: 4711727

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.8	102	90-110	
Fluoride	mg/L	2.5	2.5	99	90-110	
Sulfate	mg/L	50	50.5	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4711728 4711729

Parameter	Units	92779981005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	77.7	50	50	106	110	57	64	90-110	3	10	M1
Fluoride	mg/L	0.050J	2.5	2.5	2.4	2.4	95	95	90-110	0	10	
Sulfate	mg/L	224	50	50	264	272	80	96	90-110	3	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4711730 4711731

Parameter	Units	92779985009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	50	50	57.4	52.4	115	105	90-110	9	10	M1
Fluoride	mg/L	ND	2.5	2.5	3.0	2.5	122	98	90-110	21	10	M1,R1
Sulfate	mg/L	ND	50	50	54.5	51.7	109	103	90-110	5	10	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 917348
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981009, 92779981010, 92779981011, 92779981012, 92779981013, 92779981014, 92779981015, 92779981016, 92779981017, 92779981018, 92779981019, 92779981020, 92779981021

METHOD BLANK: 4715005 Matrix: Water
Associated Lab Samples: 92779981009, 92779981010, 92779981011, 92779981012, 92779981013, 92779981014, 92779981015, 92779981016, 92779981017, 92779981018, 92779981019, 92779981020, 92779981021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/19/25 22:03	
Fluoride	mg/L	ND	0.10	0.050	02/19/25 22:03	
Sulfate	mg/L	ND	1.0	0.50	02/19/25 22:03	

LABORATORY CONTROL SAMPLE: 4715006

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.4	99	90-110	
Fluoride	mg/L	2.5	2.4	95	90-110	
Sulfate	mg/L	50	47.2	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4715007 4715008

Parameter	Units	92779977023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	13.5	50	50	64.5	66.0	102	105	90-110	2	10	
Fluoride	mg/L	0.40	2.5	2.5	2.9	2.9	99	101	90-110	2	10	
Sulfate	mg/L	167	50	50	209	210	85	87	90-110	1	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4715009 4715010

Parameter	Units	92779981017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	3.2	50	50	54.8	56.4	103	106	90-110	3	10	
Fluoride	mg/L	ND	2.5	2.5	2.4	2.5	95	98	90-110	3	10	
Sulfate	mg/L	19.1	50	50	68.0	69.6	98	101	90-110	2	10	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 921565
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92779981022, 92779981023

METHOD BLANK: 4735286 Matrix: Water
Associated Lab Samples: 92779981022, 92779981023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/12/25 05:37	
Fluoride	mg/L	ND	0.10	0.050	03/12/25 05:37	
Sulfate	mg/L	ND	1.0	0.50	03/12/25 05:37	

LABORATORY CONTROL SAMPLE: 4735287

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.6	103	90-110	
Fluoride	mg/L	2.5	2.4	96	90-110	
Sulfate	mg/L	50	50.5	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4735288 4735289

Parameter	Units	92784380001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	3.4	50	50	52.6	53.8	98	101	90-110	2	10	
Fluoride	mg/L	ND	2.5	2.5	2.2	2.3	88	90	90-110	3	10	M1
Sulfate	mg/L	3.9	50	50	51.9	53.2	96	98	90-110	2	10	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 921055
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92779981001, 92779981002, 92779981003, 92779981004, 92779981005, 92779981006, 92779981007, 92779981008

METHOD BLANK: 4733004 Matrix: Water
Associated Lab Samples: 92779981001, 92779981002, 92779981003, 92779981004, 92779981005, 92779981006, 92779981007, 92779981008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00050	03/25/25 14:38	
Arsenic	mg/L	ND	0.0050	0.0012	03/25/25 14:38	
Barium	mg/L	ND	0.0050	0.0012	03/25/25 14:38	
Beryllium	mg/L	ND	0.00050	0.00015	03/25/25 14:38	
Boron	mg/L	ND	0.040	0.0062	03/25/25 14:38	
Cadmium	mg/L	ND	0.00050	0.00012	03/25/25 14:38	
Calcium	mg/L	ND	1.0	0.10	03/25/25 14:38	
Chromium	mg/L	ND	0.0050	0.0012	03/25/25 14:38	
Cobalt	mg/L	ND	0.0050	0.0012	03/25/25 14:38	
Iron	mg/L	ND	0.040	0.012	03/25/25 14:38	
Lead	mg/L	ND	0.0010	0.00025	03/25/25 14:38	
Magnesium	mg/L	ND	0.050	0.010	03/25/25 14:38	
Manganese	mg/L	ND	0.040	0.0012	03/25/25 14:38	
Molybdenum	mg/L	ND	0.010	0.0025	03/25/25 14:38	
Potassium	mg/L	ND	0.50	0.10	03/25/25 14:38	
Selenium	mg/L	ND	0.0050	0.0012	03/25/25 14:38	
Sodium	mg/L	ND	1.0	0.15	03/25/25 14:38	
Thallium	mg/L	ND	0.0010	0.00015	03/25/25 14:38	

LABORATORY CONTROL SAMPLE: 4733005

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.097	97	80-120	
Arsenic	mg/L	0.1	0.084	84	80-120	
Barium	mg/L	0.1	0.10	100	80-120	
Beryllium	mg/L	0.1	0.091	91	80-120	
Boron	mg/L	0.1	0.10	103	80-120	
Cadmium	mg/L	0.1	0.097	97	80-120	
Calcium	mg/L	1	1.0	103	80-120	
Chromium	mg/L	0.1	0.10	100	80-120	
Cobalt	mg/L	0.1	0.11	106	80-120	
Iron	mg/L	1	1.0	101	80-120	
Lead	mg/L	0.1	0.10	104	80-120	
Magnesium	mg/L	1	1.0	101	80-120	
Manganese	mg/L	0.1	0.10	101	80-120	
Molybdenum	mg/L	0.1	0.095	95	80-120	
Potassium	mg/L	1	1.0	102	80-120	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

LABORATORY CONTROL SAMPLE: 4733005

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Selenium	mg/L	0.1	0.084	84	80-120	
Sodium	mg/L	1	0.96J	96	80-120	
Thallium	mg/L	0.1	0.11	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4733006 4733007

Parameter	Units	92779981001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	102	101	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.091	0.091	91	90	75-125	1	20	
Barium	mg/L	0.061	0.1	0.1	0.16	0.16	100	100	75-125	0	20	
Beryllium	mg/L	0.00018J	0.1	0.1	0.097	0.097	97	97	75-125	0	20	
Boron	mg/L	0.023J	0.1	0.1	0.13	0.13	109	108	75-125	1	20	
Cadmium	mg/L	ND	0.1	0.1	0.096	0.096	96	96	75-125	0	20	
Calcium	mg/L	21.5	1	1	21.8	21.7	33	24	75-125	0	20	M1
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	0	20	
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	104	103	75-125	1	20	
Iron	mg/L	0.093	1	1	1.1	1.1	100	99	75-125	1	20	
Lead	mg/L	ND	0.1	0.1	0.099	0.099	99	98	75-125	0	20	
Magnesium	mg/L	4.0	1	1	4.9	4.9	95	93	75-125	0	20	
Manganese	mg/L	0.023J	0.1	0.1	0.12	0.12	99	98	75-125	1	20	
Molybdenum	mg/L	ND	0.1	0.1	0.095	0.094	94	94	75-125	0	20	
Potassium	mg/L	1.1	1	1	2.1	2.1	100	99	75-125	0	20	
Selenium	mg/L	ND	0.1	0.1	0.095	0.093	94	93	75-125	1	20	
Sodium	mg/L	4.9	1	1	5.9	5.8	99	98	75-125	0	20	
Thallium	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 921056
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92779981009, 92779981010, 92779981011, 92779981012, 92779981013, 92779981014, 92779981015, 92779981016, 92779981017, 92779981018, 92779981019, 92779981020, 92779981021

METHOD BLANK: 4733010 Matrix: Water
Associated Lab Samples: 92779981009, 92779981010, 92779981011, 92779981012, 92779981013, 92779981014, 92779981015, 92779981016, 92779981017, 92779981018, 92779981019, 92779981020, 92779981021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00050	03/18/25 21:21	
Arsenic	mg/L	ND	0.0050	0.0012	03/18/25 21:21	
Barium	mg/L	ND	0.0050	0.0012	03/18/25 21:21	
Beryllium	mg/L	ND	0.00050	0.00015	03/18/25 21:21	
Boron	mg/L	ND	0.040	0.0062	03/18/25 21:21	
Cadmium	mg/L	ND	0.00050	0.00012	03/18/25 21:21	
Calcium	mg/L	ND	1.0	0.10	03/18/25 21:21	
Chromium	mg/L	ND	0.0050	0.0012	03/18/25 21:21	
Cobalt	mg/L	ND	0.0050	0.0012	03/18/25 21:21	
Iron	mg/L	ND	0.040	0.012	03/18/25 21:21	
Lead	mg/L	ND	0.0010	0.00025	03/18/25 21:21	
Magnesium	mg/L	ND	0.050	0.010	03/18/25 21:21	
Manganese	mg/L	ND	0.040	0.0012	03/18/25 21:21	
Molybdenum	mg/L	ND	0.010	0.0025	03/18/25 21:21	
Potassium	mg/L	ND	0.50	0.10	03/18/25 21:21	
Selenium	mg/L	ND	0.0050	0.0012	03/18/25 21:21	
Sodium	mg/L	ND	1.0	0.15	03/18/25 21:21	
Thallium	mg/L	ND	0.0010	0.00015	03/18/25 21:21	

LABORATORY CONTROL SAMPLE: 4733011

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.083	83	80-120	
Arsenic	mg/L	0.1	0.087	87	80-120	
Barium	mg/L	0.1	0.087	87	80-120	
Beryllium	mg/L	0.1	0.090	90	80-120	
Boron	mg/L	0.1	0.081	81	80-120	
Cadmium	mg/L	0.1	0.081	81	80-120	
Calcium	mg/L	1	0.82J	82	80-120	
Chromium	mg/L	0.1	0.086	86	80-120	
Cobalt	mg/L	0.1	0.095	95	80-120	
Iron	mg/L	1	0.87	87	80-120	
Lead	mg/L	0.1	0.095	95	80-120	
Magnesium	mg/L	1	0.82	82	80-120	
Manganese	mg/L	0.1	0.092	92	80-120	
Molybdenum	mg/L	0.1	0.082	82	80-120	
Potassium	mg/L	1	0.84	84	80-120	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

LABORATORY CONTROL SAMPLE: 4733011

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Selenium	mg/L	0.1	0.087	87	80-120	
Sodium	mg/L	1	0.86J	86	80-120	
Thallium	mg/L	0.1	0.091	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4733012 4733013

Parameter	Units	92780677002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.086	0.089	86	88	75-125	3	20	
Arsenic	mg/L	ND	0.1	0.1	0.088	0.093	88	93	75-125	5	20	
Barium	mg/L	0.0083	0.1	0.1	0.094	0.099	86	91	75-125	5	20	
Beryllium	mg/L	ND	0.1	0.1	0.093	0.10	93	100	75-125	7	20	
Boron	mg/L	0.020J	0.1	0.1	0.11	0.11	86	87	75-125	1	20	
Cadmium	mg/L	ND	0.1	0.1	0.086	0.090	86	90	75-125	4	20	
Calcium	mg/L	13.8	1	1	14.1	14.8	25	97	75-125	5	20	M1
Chromium	mg/L	ND	0.1	0.1	0.086	0.092	85	91	75-125	7	20	
Cobalt	mg/L	ND	0.1	0.1	0.093	0.098	92	98	75-125	6	20	
Iron	mg/L	0.52	1	1	1.4	1.5	91	98	75-125	5	20	
Lead	mg/L	0.00058J	0.1	0.1	0.092	0.095	92	94	75-125	2	20	
Magnesium	mg/L	5.2	1	1	5.7	6.0	58	81	75-125	4	20	M1
Manganese	mg/L	0.0058J	0.1	0.1	0.096	0.10	90	95	75-125	5	20	
Molybdenum	mg/L	ND	0.1	0.1	0.082	0.086	81	85	75-125	4	20	
Potassium	mg/L	1.1	1	1	2.0	2.1	92	103	75-125	5	20	
Selenium	mg/L	ND	0.1	0.1	0.091	0.097	91	97	75-125	6	20	
Sodium	mg/L	1.2	1	1	2.1	2.1	84	92	75-125	4	20	
Thallium	mg/L	ND	0.1	0.1	0.091	0.093	91	93	75-125	2	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 924643
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia

Associated Lab Samples: 92779981023

METHOD BLANK: 4750034 Matrix: Water
Associated Lab Samples: 92779981023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00050	03/27/25 16:21	
Arsenic	mg/L	ND	0.0050	0.0012	03/27/25 16:21	
Barium	mg/L	ND	0.0050	0.0012	03/27/25 16:21	
Beryllium	mg/L	ND	0.00050	0.00015	03/27/25 16:21	
Boron	mg/L	ND	0.040	0.0062	03/27/25 16:21	
Cadmium	mg/L	ND	0.00050	0.00012	03/27/25 16:21	
Calcium	mg/L	ND	1.0	0.10	03/27/25 16:21	
Chromium	mg/L	ND	0.0050	0.0012	03/27/25 16:21	
Cobalt	mg/L	ND	0.0050	0.0012	03/27/25 16:21	
Iron	mg/L	ND	0.040	0.012	03/27/25 16:21	
Lead	mg/L	ND	0.0010	0.00025	03/27/25 16:21	
Magnesium	mg/L	ND	0.050	0.010	03/27/25 16:21	
Manganese	mg/L	ND	0.040	0.0012	03/27/25 16:21	
Molybdenum	mg/L	ND	0.010	0.0025	03/27/25 16:21	
Potassium	mg/L	ND	0.50	0.10	03/27/25 16:21	
Selenium	mg/L	ND	0.0050	0.0012	03/27/25 16:21	
Sodium	mg/L	ND	1.0	0.15	03/27/25 16:21	
Thallium	mg/L	ND	0.0010	0.00015	03/27/25 16:21	

LABORATORY CONTROL SAMPLE: 4750035

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.094	94	80-120	
Arsenic	mg/L	0.1	0.093	93	80-120	
Barium	mg/L	0.1	0.098	98	80-120	
Beryllium	mg/L	0.1	0.094	94	80-120	
Boron	mg/L	0.1	0.099	99	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	
Calcium	mg/L	1	1.0	104	80-120	
Chromium	mg/L	0.1	0.10	100	80-120	
Cobalt	mg/L	0.1	0.11	106	80-120	
Iron	mg/L	1	1.0	105	80-120	
Lead	mg/L	0.1	0.11	107	80-120	
Magnesium	mg/L	1	1.0	103	80-120	
Manganese	mg/L	0.1	0.11	107	80-120	
Molybdenum	mg/L	0.1	0.10	103	80-120	
Potassium	mg/L	1	1.0	101	80-120	
Selenium	mg/L	0.1	0.088	88	80-120	
Sodium	mg/L	1	0.97J	97	80-120	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

LABORATORY CONTROL SAMPLE: 4750035

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Thallium	mg/L	0.1	0.10	102	80-120	

MATRIX SPIKE SAMPLE: 4750036

Parameter	Units	92784814021 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	ND	0.1	0.096	96	75-125	
Arsenic	mg/L	ND	0.1	0.097	97	75-125	
Barium	mg/L	0.045	0.1	0.14	98	75-125	
Beryllium	mg/L	ND	0.1	0.095	95	75-125	
Boron	mg/L	0.34	0.1	0.42	79	75-125	
Cadmium	mg/L	ND	0.1	0.096	96	75-125	
Calcium	mg/L	97.8	1	98.3	54	75-125	M1
Chromium	mg/L	ND	0.1	0.094	94	75-125	
Cobalt	mg/L	ND	0.1	0.097	97	75-125	
Iron	mg/L	ND	1	0.97	96	75-125	
Lead	mg/L	ND	0.1	0.098	98	75-125	
Magnesium	mg/L	5.2	1	6.1	91	75-125	
Manganese	mg/L	0.048	0.1	0.15	98	75-125	
Molybdenum	mg/L	ND	0.1	0.10	100	75-125	
Potassium	mg/L	2.6	1	3.7	107	75-125	
Selenium	mg/L	ND	0.1	0.095	95	75-125	
Sodium	mg/L	4.3	1	5.4	112	75-125	
Thallium	mg/L	ND	0.1	0.098	98	75-125	

MATRIX SPIKE SAMPLE: 4750037

Parameter	Units	92785749003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	ND	0.1	0.097	97	75-125	
Arsenic	mg/L	ND	0.1	0.095	95	75-125	
Barium	mg/L	129 ug/L	0.1	0.23	97	75-125	
Beryllium	mg/L	ND	0.1	0.098	98	75-125	
Boron	mg/L	111 ug/L	0.1	0.22	106	75-125	
Cadmium	mg/L	ND	0.1	0.096	96	75-125	
Calcium	mg/L	19000 ug/L	1	19.9	100	75-125	
Chromium	mg/L	ND	0.1	0.097	96	75-125	
Cobalt	mg/L	2.9J ug/L	0.1	0.11	102	75-125	
Iron	mg/L	206 ug/L	1	1.3	106	75-125	
Lead	mg/L	ND	0.1	0.10	100	75-125	
Magnesium	mg/L	11900 ug/L	1	12.9	105	75-125	
Manganese	mg/L	590 ug/L	0.1	0.69	102	75-125	
Molybdenum	mg/L	ND	0.1	0.099	99	75-125	
Potassium	mg/L	2340 ug/L	1	3.3	92	75-125	
Selenium	mg/L	ND	0.1	0.10	103	75-125	
Sodium	mg/L	28300 ug/L	1	28.7	39	75-125	M1

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

MATRIX SPIKE SAMPLE: 4750037

Parameter	Units	92785749003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Thallium	mg/L	ND	0.1	0.096	96	75-125	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 925230
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia

Associated Lab Samples: 92779981022

METHOD BLANK: 4752976 Matrix: Water
Associated Lab Samples: 92779981022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00050	03/28/25 13:43	
Arsenic	mg/L	ND	0.0050	0.0012	03/28/25 13:43	
Barium	mg/L	ND	0.0050	0.0012	03/28/25 13:43	
Beryllium	mg/L	ND	0.00050	0.00015	03/28/25 13:43	
Boron	mg/L	ND	0.040	0.0062	03/28/25 13:43	
Cadmium	mg/L	ND	0.00050	0.00012	03/28/25 13:43	
Calcium	mg/L	ND	1.0	0.10	03/28/25 13:43	
Chromium	mg/L	ND	0.0050	0.0012	03/28/25 13:43	
Cobalt	mg/L	ND	0.0050	0.0012	03/28/25 13:43	
Iron	mg/L	ND	0.040	0.012	03/28/25 13:43	
Lead	mg/L	ND	0.0010	0.00025	03/28/25 13:43	
Magnesium	mg/L	ND	0.050	0.010	03/28/25 13:43	
Manganese	mg/L	ND	0.040	0.0012	03/28/25 13:43	
Molybdenum	mg/L	ND	0.010	0.0025	03/28/25 13:43	
Potassium	mg/L	ND	0.50	0.10	03/28/25 13:43	
Selenium	mg/L	ND	0.0050	0.0012	03/28/25 13:43	
Sodium	mg/L	ND	1.0	0.15	04/02/25 08:51	
Thallium	mg/L	ND	0.0010	0.00015	03/28/25 13:43	

LABORATORY CONTROL SAMPLE & LCSD: 4752977 4752978

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Antimony	mg/L	0.1	0.098	0.098	98	98	80-120	0	20	
Arsenic	mg/L	0.1	0.10	0.10	101	102	80-120	1	20	
Barium	mg/L	0.1	0.099	0.10	99	100	80-120	1	20	
Beryllium	mg/L	0.1	0.10	0.10	102	102	80-120	0	20	
Boron	mg/L	0.1	0.10	0.10	103	103	80-120	1	20	
Cadmium	mg/L	0.1	0.099	0.099	99	99	80-120	0	20	
Calcium	mg/L	1	1.1	1.1	109	109	80-120	0	20	
Chromium	mg/L	0.1	0.10	0.10	101	102	80-120	1	20	
Cobalt	mg/L	0.1	0.11	0.11	106	107	80-120	1	20	
Iron	mg/L	1	1.0	1.1	105	106	80-120	1	20	
Lead	mg/L	0.1	0.11	0.11	106	107	80-120	1	20	
Magnesium	mg/L	1	1.0	1.0	102	102	80-120	0	20	
Manganese	mg/L	0.1	0.10	0.10	102	102	80-120	0	20	
Molybdenum	mg/L	0.1	0.099	0.098	99	98	80-120	1	20	
Potassium	mg/L	1	1.1	1.1	109	109	80-120	0	20	
Selenium	mg/L	0.1	0.10	0.10	100	101	80-120	1	20	
Sodium	mg/L	1	0.98J	0.96J	98	96	80-120	2	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

LABORATORY CONTROL SAMPLE & LCSD: 4752977 4752978

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Thallium	mg/L	0.1	0.10	0.10	102	103	80-120	1	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 923132
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92779981023

METHOD BLANK: 4742950 Matrix: Water
Associated Lab Samples: 92779981023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	03/19/25 23:51	

LABORATORY CONTROL SAMPLE: 4742951

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0022	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4742952 4742953

Parameter	Units	92783843003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.002	0.002	0.0022	0.0021	107	104	80-120	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4742954 4742955

Parameter	Units	92784912002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	<0.091 ug/L	0.002	0.002	0.0014	0.0014	69	69	80-120	0	20	M1

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92779981

QC Batch: 926100
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92779981022

METHOD BLANK: 4757289 Matrix: Water
Associated Lab Samples: 92779981022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	03/31/25 22:43	

LABORATORY CONTROL SAMPLE: 4757290

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0022	111	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4757291 4757292

Parameter	Units	92779981022 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	0.00035	0.002	0.002	0.0027	0.0025	116	105	80-120	9	20	

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QUALIFIERS

Project: Hammond AP-2
Pace Project No.: 92779981

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 92779981

[1]

ANALYTE QUALIFIERS

D4	Sample was diluted due to the presence of high levels of target analytes.
J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hammond AP-2
Pace Project No.: 92779981

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92779981001	**HAM-HGWA-4**	3015	2467115	EPA 6020B	2467115
92779981002	**HAM-HGWA-5**	3015	2467115	EPA 6020B	2467115
92779981003	**HAM-HGWA-6**	3015	2467115	EPA 6020B	2467115
92779981004	**HAM-HGWA-42D**	3015	2467115	EPA 6020B	2467115
92779981005	**HAM-HGWC-17**	3015	2467115	EPA 6020B	2467115
92779981006	**HAM-MW-33**	3015	2470161	EPA 6020B	2470161
92779981007	**HAM-AP2-EB-01**	3015	2467115	EPA 6020B	2467115
92779981008	**HAM-AP2-FB-01**	3015	2467115	EPA 6020B	2467115
92779981009	**HAM-HGWC-14**	3015	2467115	EPA 6020B	2467115
92779981010	**HAM-HGWC-15**	3015	2467115	EPA 6020B	2467115
92779981011	**HAM-HGWC-16**	3015	2467115	EPA 6020B	2467115
92779981012	**HAM-HGWC-18**	3015	2467115	EPA 6020B	2467115
92779981013	**HAM-MW-21D**	3015	2467115	EPA 6020B	2467115
92779981014	**HAM-MW-22**	3015	2467115	EPA 6020B	2467115
92779981015	**HAM-MW-23D**	3015	2467116	EPA 6020B	2467116
92779981016	**HAM-MW-34D**	3015	2467116	EPA 6020B	2467116
92779981017	**HAM-MW-37D**	3015	2467116	EPA 6020B	2467116
92779981018	**HAM-AP2-FD-01**	3015	2467116	EPA 6020B	2467116
92779981019	**HAM-AP2-FD-02**	3015	2470161	EPA 6020B	2470161
92779981020	**HAM-AP2-EB-02**	3015	2467116	EPA 6020B	2467116
92779981021	**HAM-AP2-FB-02**	3015	2467116	EPA 6020B	2467116
92779981022	**HAM-MW-35**	3015	2468198	EPA 6020B	2468198
92779981023	**HAM-MW-51**	3015	2468198	EPA 6020B	2468198
92779981001	**HAM-HGWA-4**	EPA 7470A	916870	EPA 7470A	917066
92779981002	**HAM-HGWA-5**	EPA 7470A	917240	EPA 7470A	917352
92779981003	**HAM-HGWA-6**	EPA 7470A	917240	EPA 7470A	917352
92779981004	**HAM-HGWA-42D**	EPA 7470A	917240	EPA 7470A	917352
92779981005	**HAM-HGWC-17**	EPA 7470A	917240	EPA 7470A	917352
92779981006	**HAM-MW-33**	EPA 7470A	917240	EPA 7470A	917352
92779981007	**HAM-AP2-EB-01**	EPA 7470A	917240	EPA 7470A	917352
92779981008	**HAM-AP2-FB-01**	EPA 7470A	917240	EPA 7470A	917352
92779981009	**HAM-HGWC-14**	EPA 7470A	917874	EPA 7470A	918004
92779981010	**HAM-HGWC-15**	EPA 7470A	917874	EPA 7470A	918004
92779981011	**HAM-HGWC-16**	EPA 7470A	917874	EPA 7470A	918004
92779981012	**HAM-HGWC-18**	EPA 7470A	917874	EPA 7470A	918004
92779981013	**HAM-MW-21D**	EPA 7470A	917874	EPA 7470A	918004
92779981014	**HAM-MW-22**	EPA 7470A	917874	EPA 7470A	918004
92779981015	**HAM-MW-23D**	EPA 7470A	917874	EPA 7470A	918004
92779981016	**HAM-MW-34D**	EPA 7470A	917874	EPA 7470A	918004
92779981017	**HAM-MW-37D**	EPA 7470A	917874	EPA 7470A	918004
92779981018	**HAM-AP2-FD-01**	EPA 7470A	917874	EPA 7470A	918004
92779981019	**HAM-AP2-FD-02**	EPA 7470A	917874	EPA 7470A	918004
92779981020	**HAM-AP2-EB-02**	EPA 7470A	917874	EPA 7470A	918004
92779981021	**HAM-AP2-FB-02**	EPA 7470A	917874	EPA 7470A	918004

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hammond AP-2
Pace Project No.: 92779981

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92779981001	**HAM-HGWA-4**	SM 2320B-2011	917443		
92779981002	**HAM-HGWA-5**	SM 2320B-2011	918325		
92779981003	**HAM-HGWA-6**	SM 2320B-2011	918325		
92779981004	**HAM-HGWA-42D**	SM 2320B-2011	918325		
92779981005	**HAM-HGWC-17**	SM 2320B-2011	918376		
92779981006	**HAM-MW-33**	SM 2320B-2011	918376		
92779981009	**HAM-HGWC-14**	SM 2320B-2011	918962		
92779981010	**HAM-HGWC-15**	SM 2320B-2011	918580		
92779981011	**HAM-HGWC-16**	SM 2320B-2011	918580		
92779981012	**HAM-HGWC-18**	SM 2320B-2011	918962		
92779981013	**HAM-MW-21D**	SM 2320B-2011	918962		
92779981014	**HAM-MW-22**	SM 2320B-2011	918962		
92779981015	**HAM-MW-23D**	SM 2320B-2011	918580		
92779981016	**HAM-MW-34D**	SM 2320B-2011	918962		
92779981017	**HAM-MW-37D**	SM 2320B-2011	918580		
92779981022	**HAM-MW-35**	SM 2320B-2011	921818		
92779981023	**HAM-MW-51**	SM 2320B-2011	921818		
92779981001	**HAM-HGWA-4**	SM 2540C-2015	917012		
92779981002	**HAM-HGWA-5**	SM 2540C-2015	917625		
92779981003	**HAM-HGWA-6**	SM 2540C-2015	917625		
92779981004	**HAM-HGWA-42D**	SM 2540C-2015	917626		
92779981005	**HAM-HGWC-17**	SM 2540C-2015	917627		
92779981006	**HAM-MW-33**	SM 2540C-2015	917627		
92779981007	**HAM-AP2-EB-01**	SM 2540C-2015	917627		
92779981008	**HAM-AP2-FB-01**	SM 2540C-2015	917627		
92779981009	**HAM-HGWC-14**	SM 2540C-2015	918247		
92779981010	**HAM-HGWC-15**	SM 2540C-2015	917869		
92779981011	**HAM-HGWC-16**	SM 2540C-2015	917869		
92779981012	**HAM-HGWC-18**	SM 2540C-2015	918247		
92779981013	**HAM-MW-21D**	SM 2540C-2015	918247		
92779981014	**HAM-MW-22**	SM 2540C-2015	918247		
92779981015	**HAM-MW-23D**	SM 2540C-2015	917869		
92779981016	**HAM-MW-34D**	SM 2540C-2015	918247		
92779981017	**HAM-MW-37D**	SM 2540C-2015	917869		
92779981018	**HAM-AP2-FD-01**	SM 2540C-2015	917869		
92779981019	**HAM-AP2-FD-02**	SM 2540C-2015	917869		
92779981020	**HAM-AP2-EB-02**	SM 2540C-2015	917869		
92779981021	**HAM-AP2-FB-02**	SM 2540C-2015	917869		
92779981022	**HAM-MW-35**	SM 2540C-2015	921871		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hammond AP-2
Pace Project No.: 92779981

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92779981023	**HAM-MW-51**	SM 2540C-2015	921871		
92779981001	**HAM-HGWA-4**	SM 4500-S2D-2011	916812		
92779981002	**HAM-HGWA-5**	SM 4500-S2D-2011	916813		
92779981003	**HAM-HGWA-6**	SM 4500-S2D-2011	916813		
92779981004	**HAM-HGWA-42D**	SM 4500-S2D-2011	916813		
92779981005	**HAM-HGWC-17**	SM 4500-S2D-2011	916814		
92779981006	**HAM-MW-33**	SM 4500-S2D-2011	916814		
92779981009	**HAM-HGWC-14**	SM 4500-S2D-2011	917635		
92779981010	**HAM-HGWC-15**	SM 4500-S2D-2011	917635		
92779981011	**HAM-HGWC-16**	SM 4500-S2D-2011	917635		
92779981012	**HAM-HGWC-18**	SM 4500-S2D-2011	917635		
92779981013	**HAM-MW-21D**	SM 4500-S2D-2011	917635		
92779981014	**HAM-MW-22**	SM 4500-S2D-2011	917635		
92779981015	**HAM-MW-23D**	SM 4500-S2D-2011	917635		
92779981016	**HAM-MW-34D**	SM 4500-S2D-2011	917635		
92779981017	**HAM-MW-37D**	SM 4500-S2D-2011	917635		
92779981022	**HAM-MW-35**	SM 4500-S2D-2011	921311		
92779981023	**HAM-MW-51**	SM 4500-S2D-2011	921580		
92779981001	**HAM-HGWA-4**	EPA 300.0 Rev 2.1 1993	916738		
92779981002	**HAM-HGWA-5**	EPA 300.0 Rev 2.1 1993	916790		
92779981003	**HAM-HGWA-6**	EPA 300.0 Rev 2.1 1993	916790		
92779981004	**HAM-HGWA-42D**	EPA 300.0 Rev 2.1 1993	916790		
92779981005	**HAM-HGWC-17**	EPA 300.0 Rev 2.1 1993	916791		
92779981006	**HAM-MW-33**	EPA 300.0 Rev 2.1 1993	916791		
92779981007	**HAM-AP2-EB-01**	EPA 300.0 Rev 2.1 1993	916791		
92779981008	**HAM-AP2-FB-01**	EPA 300.0 Rev 2.1 1993	916791		
92779981009	**HAM-HGWC-14**	EPA 300.0 Rev 2.1 1993	917348		
92779981010	**HAM-HGWC-15**	EPA 300.0 Rev 2.1 1993	917348		
92779981011	**HAM-HGWC-16**	EPA 300.0 Rev 2.1 1993	917348		
92779981012	**HAM-HGWC-18**	EPA 300.0 Rev 2.1 1993	917348		
92779981013	**HAM-MW-21D**	EPA 300.0 Rev 2.1 1993	917348		
92779981014	**HAM-MW-22**	EPA 300.0 Rev 2.1 1993	917348		
92779981015	**HAM-MW-23D**	EPA 300.0 Rev 2.1 1993	917348		
92779981016	**HAM-MW-34D**	EPA 300.0 Rev 2.1 1993	917348		
92779981017	**HAM-MW-37D**	EPA 300.0 Rev 2.1 1993	917348		
92779981018	**HAM-AP2-FD-01**	EPA 300.0 Rev 2.1 1993	917348		
92779981019	**HAM-AP2-FD-02**	EPA 300.0 Rev 2.1 1993	917348		
92779981020	**HAM-AP2-EB-02**	EPA 300.0 Rev 2.1 1993	917348		
92779981021	**HAM-AP2-FB-02**	EPA 300.0 Rev 2.1 1993	917348		
92779981022	**HAM-MW-35**	EPA 300.0 Rev 2.1 1993	921565		
92779981023	**HAM-MW-51**	EPA 300.0 Rev 2.1 1993	921565		
92779981001	**HAM-HGWA-4**	EPA 3005A	921055	EPA 6020B	924771
92779981002	**HAM-HGWA-5**	EPA 3005A	921055	EPA 6020B	924771

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(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hammond AP-2
Pace Project No.: 92779981

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92779981003	**HAM-HGWA-6**	EPA 3005A	921055	EPA 6020B	924771
92779981004	**HAM-HGWA-42D**	EPA 3005A	921055	EPA 6020B	924771
92779981005	**HAM-HGWC-17**	EPA 3005A	921055	EPA 6020B	924771
92779981006	**HAM-MW-33**	EPA 3005A	921055	EPA 6020B	924771
92779981007	**HAM-AP2-EB-01**	EPA 3005A	921055	EPA 6020B	924771
92779981008	**HAM-AP2-FB-01**	EPA 3005A	921055	EPA 6020B	924771
92779981009	**HAM-HGWC-14**	EPA 3005A	921056	EPA 6020B	923257
92779981010	**HAM-HGWC-15**	EPA 3005A	921056	EPA 6020B	923257
92779981011	**HAM-HGWC-16**	EPA 3005A	921056	EPA 6020B	923257
92779981012	**HAM-HGWC-18**	EPA 3005A	921056	EPA 6020B	923257
92779981013	**HAM-MW-21D**	EPA 3005A	921056	EPA 6020B	923257
92779981014	**HAM-MW-22**	EPA 3005A	921056	EPA 6020B	923257
92779981015	**HAM-MW-23D**	EPA 3005A	921056	EPA 6020B	923257
92779981016	**HAM-MW-34D**	EPA 3005A	921056	EPA 6020B	923257
92779981017	**HAM-MW-37D**	EPA 3005A	921056	EPA 6020B	923257
92779981018	**HAM-AP2-FD-01**	EPA 3005A	921056	EPA 6020B	923257
92779981019	**HAM-AP2-FD-02**	EPA 3005A	921056	EPA 6020B	923257
92779981020	**HAM-AP2-EB-02**	EPA 3005A	921056	EPA 6020B	923257
92779981021	**HAM-AP2-FB-02**	EPA 3005A	921056	EPA 6020B	923257
92779981022	**HAM-MW-35**	EPA 3005A	925230	EPA 6020B	926101
92779981023	**HAM-MW-51**	EPA 3005A	924643	EPA 6020B	925227
92779981022	**HAM-MW-35**	EPA 7470A	926100	EPA 7470A	926156
92779981023	**HAM-MW-51**	EPA 7470A	923132	EPA 7470A	923776

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DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

aboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mech... ☐ ... ☐

WO# : 92779981

92779981

Sample Condition Upon Receipt

Client Name: C&A Power

Project #:

Courier: ☐ Commercial ☐ Fed Ex ☑ Pace ☐ UPS ☐ USPS ☐ Other:____ ☐ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 2/14/25 LO

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 1.7 Correction Factor: Add/Subtract (°C) -0.1

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

Cooler Temp Corrected (°C): 1.8

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

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

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

Field Data Required? ☐ Yes ☐ No

MMENTS/SAMPLE DISCREPANCY

Lot ID of split containers:

NT NOTIFICATION/RESOLUTION

'son contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

iltrax ID: 69614

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO# : 92779981

PM: BV Due Date: 03/03/25

CLIENT: 92- GP-HAM

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	VGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG84-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		21					2	1																						
2																														
3																														
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

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

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

Jaltrax ID: 69614

WO#: 92779981

PM: BV **Due Date: 03/03/25**

CLIENT: 92- GP-HAM

Pace Analytical

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:	GA Power	Report To:	SCS Contacts	Attention:	Southern Co.
Address:	Atlanta, GA	Copy To:	Geosyntec Contacts	Company Name:	
				Address:	
Email To:	SCS Contacts	Purchase Order No.:		Pace Quote Reference:	
Phone:	Fax:	Project Name:	Hammond AP-2	Pace Project Manager:	Bonnie Vang
Requested Due Date/TAT:	10 Day	Project Number:		Pace Profile #:	10839

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA ✓ OTHER CCR

Site Location STATE: GA

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX / CODE: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Chloride, Fluoride, Sulfate	Full App. III and IV metals	RAD 226/228	TDS	Major Ions (Profile 10839-2)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																				Y/N	N	N	N	N	N		
1	HAM-HGWA-4		WG	G	2/12/2025	1247	2/12/25		15	6	3		2		1						X	X		X	X	N	Radium sent on separate COC 001
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

2/12/25 2/13/25

2/13/25

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Task Code: HAM-CCR-ASSMT-2025S1	Zain Webb / Geosyntec	2-14-25	1340	Ryan Williams / Pace	2/14/25	1340	
	Ryan Williams / Pace	2/14/25	1610	Claude Hooks	2/14/25	1610	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Amanda Tomlinson, Zain Webb, Thomas Kessler / Geosyntec Consultants					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 2-13-25				

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace

DC#_Title: ENV-FRM-HUNT-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

Courier: ☐ Commercial ☐ Fed Ex ☑ Pace ☐ UPS ☐ USPS ☐ Other:____ ☐ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 2/17/25 CAS

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☐ N/A

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 0.9 Correction Factor: Add/Subtract (°C) +0.1

Cooler Temp Corrected (°C): 1.0

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

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

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

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

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

aboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

lient_____ Profile/EZ (Circle one)_____ Notes_____

Item #	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VFH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1					2																									
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4		2			2		2																							
5		2			2		2																							
6		2			2		2																							
7		1			2		2																							
8		1			2		2																							
9																														
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11																														
12																														

pH Adjustment Log for Preserved Samples

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

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

Pace Analytical
www.pacelabs.com

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:	GA Power	Report To:	SCS Contacts	Attention:	Southern Co.
Address:	Atlanta, GA	Copy To:	Geosyntec Contacts	Company Name:	
				Address:	
Email To:	SCS Contacts	Purchase Order No.:		Pace Quote Reference:	
Phone:	Fax:	Project Name:	Hammond AP-2	Pace Project Manager:	Bonnie Vang
Requested Due Date/TAT:	10 Day	Project Number:		Pace Profile #:	10839

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | ✓ OTHER CCR

Site Location STATE: GA

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Chloride, Fluoride, Sulfate	Full App. III and IV metals	RAD 226/228	TDS	Major Ions (Profile 10839-2)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																				Y/N	N	N	N	N	N		
1	HAM-HGWA-4		WG	G	2/14/2025	1237			16	2			2										X				N	92779981
2	HAM-HGWA-5		WG	G	2/14/2025	1212			18	8	3		4		1						X	X	X	X	X	N	002
3	HAM-HGWA-6		WG	G	2/14/2025	1325			18	8	3		4		1						X	X	X	X	X	N	003
4	HAM-HGWA-42D		WG	G	2/14/2025	1508			18	8	3		4		1						X	X	X	X	X	N	004
5	HAM-HGWC-17		WG	G	2/16/2025	1646			16	8	3		4		1						X	X	X	X	X	N	005
6	HAM-MW-33		WG	G	2/16/2025	1514			15	8	3		4		1						X	X	X	X	X	N	006
7	HAM-AP2-EB-01		WQ	G	2/16/2025	1645			16	6	2		4								X	X	X	X		N	007
8	HAM-AP2-FB-01		WQ	G	2/16/2025	1640			16	6	2		4								X	X	X	X		N	008
9																											
10																											
11																											
12																											

2/17-2/16/25

ZW 2-16-25

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Task Code: HAM-CCR-ASSMT-2025S1	Zain Webb / Geosyntec	2-17-25	1230	Ryan Williams / Pace	2/17/25	1230	✓
	Ryan Williams / Pace	2/17/25	1445	[signature]	2/17/25	1445	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Amanda Tomlinson, Thomas Kessler, Zain Webb / Geosyntec Consultants, Inc

SIGNATURE of SAMPLER: [signature] (ATP) DATE Signed (MM/DD/YY): 2-17-25

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

aboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

Courier: ☐ Commercial ☐ Fed Ex ☑ Pace ☐ UPS ☐ USPS ☐ Other:___ ☐ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 2/19/25 tdt

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 230

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 1.3 Correction Factor: Add/Subtract (°C) +0.1

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

Cooler Temp Corrected (°C): 1.4

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

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

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

Field Data Required? ☐ Yes ☐ No

MMENTS/SAMPLE DISCREPANCY

Lot ID of split containers:

NT NOTIFICATION/RESOLUTION

rson contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

altrax ID: 69614

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client _____ Profile/EZ (Circle one) _____ Notes _____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH4)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
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4	\	2	1		2	\	2	1	\			\		\	\	\										\	\			
5	\	2	1		2	\	2	1	\			\		\	\	\										\	\			
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11	\	1	1		2	\	2	\	\			\		\	\	\										\	\			
12	\	1	1		2	\	2	\	\			\		\	\	\										\	\			

pH Adjustment Log for Preserved Samples

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

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

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

aboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

lient_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1		2		2																							
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pH Adjustment Log for Preserved Samples

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

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

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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.

Page: 1 of 2

Section A Required Client Information:

Company:	GA Power
Address:	Atlanta, GA
Email To:	SCS Contacts
Phone:	Fax:
Requested Due Date/TAT:	10 Day

Section B Required Project Information:

Report To:	SCS Contacts
Copy To:	Geosyntec Contacts
Purchase Order No.:	
Project Name:	Hammond AP-2
Project Number:	

Section C Invoice Information:

Attention:	Southern Co
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Bonnie Vang
Pace Profile #:	10839

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92729961
																		Y/N	N N N N N		
																		Analysis Test	Chloride, Fluoride, Sulfate / Full App. III and IV metals / RAD 226/228 / TDS / Major Ions (Profile 10839-2)		
1	HAM-HGWC-14	WG	G	2/18/2025	0918			19	8	3		4					1		X X X X X	N	009
2	HAM-HGWC-15	WG	G	2/17/2025	1345			17	8	3		4					1		X X X X X	N	010
3	HAM-HGWC-16	WG	G	2/17/2025	1026			14	8	3		4					1		X X X X X	N	011
4	HAM-HGWC-18	WG	G	2/18/2025	0947			14	8	3		4					1		X X X X X	N	012
5	HAM-MW-21D	WG	G	2/18/2025	1212			17	8	3		4					1		X X X X X	N	013
6	HAM-MW-22	WG	G	2/18/2025	1000			16	8	3		4					1		X X X X X	N	014
7	HAM-MW-23D	WG	G	2/17/2025	1052			16	8	3		4					1		X X X X X	N	015
8	HAM-MW-34D	WG	G	2/18/2025	1115			19	8	3		4					1		X X X X X	N	016
9	HAM-MW-37D	WG	G	2/17/2025	1523	ART 2/18/2025		17	8	3		4					1		X X X X X	N	017
10	HAM-AP2-FD-01	WG	G	2/17/2025	0000			14	6	2		4							X X X X	N	018
11	HAM-AP2-FD-02	WG	G	2/17/2025	0000			16	6	2		4							X X X X	N	019
12	HAM-AP2-EB-02	WG	G	2/17/2025	1740			17	6	2		4							X X X X	N	020

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Task Code: HAM-CCR-ASSMT 2025S1	Geosyntec	2/19/2025	1220	Ryan William / Pace	2/19/2025	1220	
	Ryan William / Pace	2/19/2025	1525		2/19/25	1525	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Amanda Tomlinson, Zain Webb, Jacob Tracy / Geosyntec Consultants, Inc

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 2/19/2025

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-Feb-2007

Pace Analytical
www.pacelabs.com

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:	GA Power
Address:	Atlanta, GA
Email To:	SCS Contacts
Phone:	Fax:
Requested Due Date/TAT:	10 Day

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Report To:	SCS Contacts
Copy To:	Geosyntec Contacts
Purchase Order No.:	
Project Name:	Hammond AP-2
Project Number:	

Section C Invoice Information:

Attention:	Southern Co.
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Bonnie Vang
Pace Profile #:	10839

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Chloride, Fluoride, Sulfate	Full App. III and IV metals	RAD 226/228	TDS	Major Ions (Profile 10839-2)												Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																		Requested Analysis Filtered (Y/N)	N	N	N	N	N																
1	HAM-AP2-FB-02	WQ	G	2/17/2025	1735	ART 2/18/2025		17	6	2		4							X	X	X	X														N	621
2																																				
3																																				
4																																				
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8																																				
9																																				
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11																																				
12																																				

ART 2/18/2025

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Task Code: HAM-CCR-ASSMT-2025S1	[signature] / Geosyntec	2/19/2025	1220	Ryan Williams / Pace	2/19/2025	1220	
	Ryan Williams / Pace	2/19/2025	1525	[signature]	2/19/25	1525	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Amanda Tomlinson, Jacob Tracy, Zain Webb / Geosyntec Consultants, Inc

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2/19/2025

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-Feb-2007

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: G. Powell

Project #:

WO#: 92779981

PM: BV Due Date: 03/03/25

CLIENT: 92- GP-HAM

Courier: ☐ Commercial ☐ Fed Ex ☑ Pace ☐ UPS ☐ USPS ☐ Other:____ ☐ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 3/10/25 JC

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 732

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.1 Correction Factor: Add/Subtract (°C) 0.1

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

Cooler Temp Corrected (°C): 2.2

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO# : 92779981

PM: BV **Due Date: 03/03/25**

CLIENT: 92- GP-HAM

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

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

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

***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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

pH Adjustment Log for Preserved Samples

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

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

ualtrax ID: 69614

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

Section A Required Client Information		Section B Required Project Information		Section C Invoice Information	
Company:	GA Power	Report To:	SCS Contacts	Attention:	Southern Co
Address:	Atlanta, GA	Copy To:	Geosyntec Contacts	Company Name:	
				Address:	
Email To:	SCS Contacts	Purchase Order No.:		Pace Quote Reference:	
Phone:	Fax:	Project Name:	Hammond AP-2	Pace Project Manager:	Bonnie Vang
Requested Due Date/TAT:	10 Day	Project Number:		Pace Profile #:	10839

REGULATORY AGENCY

NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9, /; Sample IDs MUST BE UNIQUE)	Valid Matrix Codes: MATRIX / CODE (DW, WT, WW, P, SL, OL, WP, AR, OT, TS)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB, C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Chloride	Fluoride	Sulfate	Full App III and IV metals	RAD 226/228	TDS	Major Ions (Profile 10839-2)	Residual Chlorine (Y/N)	Pace Project No / Lab I.D.
																			Y/N	N	N	N	N	N				
1	HAM-MW-35	WG	G	3/6/2025	1336				17	8	3		4					1		X	X	X	X	X			N	92779982 022
2	HAM-MW-51	WG	G	3/6/2025	1512	ZW 3/10/2025			17	8	3		4					1		X	X	X	X	X			N	023
3																												
4																												
5																												
6																												
7							ZW 3/10/2025																					
8																												
9																												
10																												
11																												
12																												

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Task Code ~~HAM-CCR-ASSMT-2025SS~~ ZW HAM-CCR-ASSMT-2025SS	Zain Webb / Geosyntec	3/10/25	1020	Ryan William / Pace	3/10/2025	1020	
	Ryan William / Pace	3/10/2025	1245		3/10	1245	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Zain Webb / Geosyntec Consultants Inc

SIGNATURE of SAMPLER: Zain Webb DATE Signed (MM/DD/YY): 3/10/25

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-Feb-2007

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

April 08, 2025

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory between February 14, 2025 and March 10, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

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

Sincerely,

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

Enclosures

cc: Kip Gray, Geosyntec
Christine Hug, Geosyntec Consultants, Inc.
Thomas Kessler, Geosyntec Consultants
Whitney Law, Geosyntec Consultants
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec Consultants, Inc
Jamie Newsome, Geosyntec Consultants
Zain Webb, Geosyntec Consultants

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92779982001	**HAM-HGWA-4**	Water	02/14/25 12:37	02/14/25 16:10
92779982002	**HAM-HGWA-5**	Water	02/14/25 12:12	02/17/25 14:45
92779982003	**HAM-HGWA-6**	Water	02/14/25 13:25	02/17/25 14:45
92779982004	**HAM-HGWA-42D**	Water	02/14/25 15:08	02/17/25 14:45
92779982005	**HAM-HGWC-17**	Water	02/16/25 16:46	02/17/25 14:45
92779982006	**HAM-MW-33**	Water	02/16/25 15:14	02/17/25 14:45
92779982007	**HAM-AP2-EB-01**	Water	02/16/25 16:45	02/17/25 14:45
92779982008	**HAM-AP2-FB-01**	Water	02/16/25 16:40	02/17/25 14:45
92779982009	**HAM-HGWC-14**	Water	02/18/25 09:18	02/19/25 15:25
92779982010	**HAM-HGWC-15**	Water	02/17/25 13:45	02/19/25 15:25
92779982011	**HAM-HGWC-16**	Water	02/17/25 10:26	02/19/25 15:25
92779982012	**HAM-HGWC-18**	Water	02/18/25 09:47	02/19/25 15:25
92779982013	**HAM-MW-21D**	Water	02/18/25 12:12	02/19/25 15:25
92779982014	**HAM-MW-22**	Water	02/18/25 10:00	02/19/25 15:25
92779982015	**HAM-MW-23D**	Water	02/17/25 10:52	02/19/25 15:25
92779982016	**HAM-MW-34D**	Water	02/18/25 11:15	02/19/25 15:25
92779982017	**HAM-MW-37D**	Water	02/17/25 15:23	02/19/25 15:25
92779982018	**HAM-AP2-FD-01**	Water	02/17/25 00:00	02/19/25 15:25
92779982019	**HAM-AP2-FD-02**	Water	02/17/25 00:00	02/19/25 15:25
92779982020	**HAM-AP2-EB-02**	Water	02/17/25 17:40	02/19/25 15:25
92779982021	**HAM-AP2-FB-02**	Water	02/17/25 17:35	02/19/25 15:25
92779982022	**HAM-MW-35**	Water	03/06/25 13:38	03/10/25 12:45
92779982023	**HAM-MW-51**	Water	03/06/25 15:12	03/10/25 12:45

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92779982001	**HAM-HGWA-4**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779982002	**HAM-HGWA-5**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779982003	**HAM-HGWA-6**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779982004	**HAM-HGWA-42D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779982005	**HAM-HGWC-17**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779982006	**HAM-MW-33**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779982007	**HAM-AP2-EB-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779982008	**HAM-AP2-FB-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779982009	**HAM-HGWC-14**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779982010	**HAM-HGWC-15**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779982011	**HAM-HGWC-16**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779982012	**HAM-HGWC-18**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779982013	**HAM-MW-21D**	EPA 9315	SLC	1	PASI-PA

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(704)875-9092

SAMPLE ANALYTE COUNT

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779982014	**HAM-MW-22**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779982015	**HAM-MW-23D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779982016	**HAM-MW-34D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779982017	**HAM-MW-37D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779982018	**HAM-AP2-FD-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779982019	**HAM-AP2-FD-02**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779982020	**HAM-AP2-EB-02**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779982021	**HAM-AP2-FB-02**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779982022	**HAM-MW-35**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92779982023	**HAM-MW-51**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SUMMARY OF DETECTION

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92779982001	**HAM-HGWA-4**					
EPA 9315	Radium-226	0.375U ± 0.242 (0.411) C:78% T:NA	pCi/L		03/11/25 11:23	
EPA 9320	Radium-228	1.45 ± 0.579 (0.894) C:72% T:76%	pCi/L		03/10/25 15:00	
Total Radium Calculation	Total Radium	1.83 ± 0.821 (1.31)	pCi/L		03/11/25 15:09	
92779982002	**HAM-HGWA-5**					
EPA 9315	Radium-226	0.339U ± 0.259 (0.486) C:77% T:NA	pCi/L		03/11/25 09:14	
EPA 9320	Radium-228	0.957 ± 0.517 (0.905) C:70% T:67%	pCi/L		03/10/25 12:13	
Total Radium Calculation	Total Radium	1.30U ± 0.776 (1.39)	pCi/L		03/11/25 15:09	
92779982003	**HAM-HGWA-6**					
EPA 9315	Radium-226	0.00213U ± 0.154 (0.420) C:73% T:NA	pCi/L		03/11/25 08:24	
EPA 9320	Radium-228	0.157U ± 0.354 (0.786) C:77% T:72%	pCi/L		03/10/25 12:13	
Total Radium Calculation	Total Radium	0.159U ± 0.508 (1.21)	pCi/L		03/11/25 15:09	
92779982004	**HAM-HGWA-42D**					
EPA 9315	Radium-226	0.110U ± 0.271 (0.638) C:69% T:NA	pCi/L		03/11/25 08:25	
EPA 9320	Radium-228	0.190U ± 0.321 (0.699) C:74% T:87%	pCi/L		03/10/25 12:13	
Total Radium Calculation	Total Radium	0.300U ± 0.592 (1.34)	pCi/L		03/11/25 15:09	

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SUMMARY OF DETECTION

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92779982005	**HAM-HGWC-17**					
EPA 9315	Radium-226	0.106U ± 0.214 (0.496) C:68% T:NA	pCi/L		03/11/25 08:25	
EPA 9320	Radium-228	1.13U ± 0.615 (1.14) C:74% T:75%	pCi/L		03/10/25 12:13	
Total Radium Calculation	Total Radium	1.24U ± 0.829 (1.64)	pCi/L		03/11/25 15:09	
92779982006	**HAM-MW-33**					
EPA 9315	Radium-226	0.188U ± 0.175 (0.323) C:76% T:NA	pCi/L		03/11/25 10:53	
EPA 9320	Radium-228	0.923U ± 0.592 (1.14) C:73% T:72%	pCi/L		03/10/25 12:13	
Total Radium Calculation	Total Radium	1.11U ± 0.767 (1.46)	pCi/L		03/11/25 15:09	
92779982007	**HAM-AP2-EB-01**					
EPA 9315	Radium-226	0.301U ± 0.277 (0.527) C:55% T:NA	pCi/L		03/11/25 10:53	
EPA 9320	Radium-228	0.864U ± 0.560 (1.08) C:75% T:76%	pCi/L		03/10/25 12:13	
Total Radium Calculation	Total Radium	1.17U ± 0.837 (1.61)	pCi/L		03/11/25 15:09	
92779982008	**HAM-AP2-FB-01**					
EPA 9315	Radium-226	-0.00493U ± 0.102 (0.283) C:103% T:NA	pCi/L		03/11/25 09:30	
EPA 9320	Radium-228	1.09 ± 0.531 (0.937) C:73% T:92%	pCi/L		03/10/25 12:13	
Total Radium Calculation	Total Radium	1.09U ± 0.633 (1.22)	pCi/L		03/11/25 15:09	

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SUMMARY OF DETECTION

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92779982009	**HAM-HGWC-14**					
EPA 9315	Radium-226	0.212U ± 0.226 (0.470) C:89% T:NA	pCi/L		03/12/25 08:28	
EPA 9320	Radium-228	0.473U ± 0.520 (1.09) C:75% T:84%	pCi/L		03/10/25 15:26	
Total Radium Calculation	Total Radium	0.685U ± 0.746 (1.56)	pCi/L		03/12/25 13:31	
92779982010	**HAM-HGWC-15**					
EPA 9315	Radium-226	-0.0349U ± 0.188 (0.503) C:82% T:NA	pCi/L		03/12/25 09:27	
EPA 9320	Radium-228	0.191U ± 0.465 (1.03) C:74% T:85%	pCi/L		03/10/25 15:26	
Total Radium Calculation	Total Radium	0.191U ± 0.653 (1.53)	pCi/L		03/12/25 13:31	
92779982011	**HAM-HGWC-16**					
EPA 9315	Radium-226	0.269U ± 0.250 (0.511) C:90% T:NA	pCi/L		03/12/25 08:28	
EPA 9320	Radium-228	0.556U ± 0.536 (1.11) C:74% T:81%	pCi/L		03/10/25 15:26	
Total Radium Calculation	Total Radium	0.825U ± 0.786 (1.62)	pCi/L		03/12/25 13:31	
92779982012	**HAM-HGWC-18**					
EPA 9315	Radium-226	0.390U ± 0.262 (0.471) C:86% T:NA	pCi/L		03/12/25 08:28	
EPA 9320	Radium-228	1.17 ± 0.628 (1.15) C:74% T:80%	pCi/L		03/10/25 15:26	
Total Radium Calculation	Total Radium	1.56U ± 0.890 (1.62)	pCi/L		03/12/25 13:31	

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SUMMARY OF DETECTION

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92779982013	**HAM-MW-21D**					
EPA 9315	Radium-226	0.182U ± 0.242 (0.527) C:78% T:NA	pCi/L		03/12/25 09:45	
EPA 9320	Radium-228	0.743U ± 0.477 (0.895) C:76% T:78%	pCi/L		03/10/25 15:26	
Total Radium Calculation	Total Radium	0.925U ± 0.719 (1.42)	pCi/L		03/12/25 13:31	
92779982014	**HAM-MW-22**					
EPA 9315	Radium-226	0.313U ± 0.247 (0.464) C:77% T:NA	pCi/L		03/12/25 08:31	
EPA 9320	Radium-228	0.663U ± 0.446 (0.841) C:76% T:82%	pCi/L		03/10/25 15:27	
Total Radium Calculation	Total Radium	0.976U ± 0.693 (1.31)	pCi/L		03/12/25 13:31	
92779982015	**HAM-MW-23D**					
EPA 9315	Radium-226	0.124U ± 0.179 (0.387) C:82% T:NA	pCi/L		03/12/25 08:30	
EPA 9320	Radium-228	0.119U ± 0.415 (0.940) C:76% T:82%	pCi/L		03/10/25 15:27	
Total Radium Calculation	Total Radium	0.243U ± 0.594 (1.33)	pCi/L		03/12/25 13:31	
92779982016	**HAM-MW-34D**					
EPA 9315	Radium-226	0.482 ± 0.259 (0.404) C:91% T:NA	pCi/L		03/12/25 08:30	
EPA 9320	Radium-228	0.429U ± 0.421 (0.869) C:76% T:82%	pCi/L		03/10/25 15:27	
Total Radium Calculation	Total Radium	0.911U ± 0.680 (1.27)	pCi/L		03/12/25 13:31	

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SUMMARY OF DETECTION

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92779982017	**HAM-MW-37D**					
EPA 9315	Radium-226	0.174U ± 0.192 (0.393) C:84% T:NA	pCi/L		03/12/25 08:30	
EPA 9320	Radium-228	0.482U ± 0.405 (0.807) C:73% T:81%	pCi/L		03/10/25 15:27	
Total Radium Calculation	Total Radium	0.656U ± 0.597 (1.20)	pCi/L		03/12/25 13:31	
92779982018	**HAM-AP2-FD-01**					
EPA 9315	Radium-226	0.0367U ± 0.137 (0.343) C:83% T:NA	pCi/L		03/12/25 09:35	
EPA 9320	Radium-228	0.181U ± 0.352 (0.775) C:74% T:85%	pCi/L		03/10/25 15:27	
Total Radium Calculation	Total Radium	0.218U ± 0.489 (1.12)	pCi/L		03/12/25 13:31	
92779982019	**HAM-AP2-FD-02**					
EPA 9315	Radium-226	0.0841U ± 0.174 (0.405) C:84% T:NA	pCi/L		03/12/25 09:36	
EPA 9320	Radium-228	0.287U ± 0.358 (0.757) C:74% T:86%	pCi/L		03/10/25 15:27	
Total Radium Calculation	Total Radium	0.371U ± 0.532 (1.16)	pCi/L		03/12/25 13:31	
92779982020	**HAM-AP2-EB-02**					
EPA 9315	Radium-226	0.0467U ± 0.159 (0.389) C:89% T:NA	pCi/L		03/12/25 09:36	
EPA 9320	Radium-228	0.426U ± 0.370 (0.739) C:76% T:86%	pCi/L		03/10/25 15:27	
Total Radium Calculation	Total Radium	0.473U ± 0.529 (1.13)	pCi/L		03/12/25 13:31	

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SUMMARY OF DETECTION

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92779982021	**HAM-AP2-FB-02**					
EPA 9315	Radium-226	0.130U ± 0.330 (0.778) C:80% T:NA	pCi/L		03/19/25 08:17	
EPA 9320	Radium-228	1.03 ± 0.454 (0.730) C:75% T:88%	pCi/L		03/10/25 15:28	
Total Radium Calculation	Total Radium	1.16U ± 0.784 (1.51)	pCi/L		03/21/25 09:22	
92779982022	**HAM-MW-35**					
EPA 9315	Radium-226	0.456U ± 0.382 (0.755) C:85% T:NA	pCi/L		03/19/25 08:17	
EPA 9320	Radium-228	0.717 ± 0.364 (0.619) C:76% T:89%	pCi/L		03/31/25 12:09	
Total Radium Calculation	Total Radium	1.17U ± 0.746 (1.37)	pCi/L		04/07/25 16:28	
92779982023	**HAM-MW-51**					
EPA 9315	Radium-226	0.341U ± 0.362 (0.757) C:93% T:NA	pCi/L		03/19/25 08:19	
EPA 9320	Radium-228	0.264U ± 0.342 (0.725) C:73% T:81%	pCi/L		03/31/25 12:09	
Total Radium Calculation	Total Radium	0.605U ± 0.704 (1.48)	pCi/L		04/07/25 16:28	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Sample: HAM-HGWA-4 **Lab ID: 92779982001** Collected: 02/14/25 12:37 Received: 02/14/25 16:10 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	**0.375U ± 0.242 (0.411) C:78% T:NA**	pCi/L	03/11/25 11:23	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.45 ± 0.579 (0.894) C:72% T:76%**	pCi/L	03/10/25 15:00	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.83 ± 0.821 (1.31)**	pCi/L	03/11/25 15:09	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Sample: HAM-HGWA-5 **Lab ID: 92779982002** Collected: 02/14/25 12:12 Received: 02/17/25 14:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.339U ± 0.259 (0.486) C:77% T:NA**	pCi/L	03/11/25 09:14	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.957 ± 0.517 (0.905) C:70% T:67%**	pCi/L	03/10/25 12:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.30U ± 0.776 (1.39)**	pCi/L	03/11/25 15:09	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Sample: HAM-HGWA-6 **Lab ID: 92779982003** Collected: 02/14/25 13:25 Received: 02/17/25 14:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.00213U ± 0.154 (0.420) C:73% T:NA**	pCi/L	03/11/25 08:24	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.157U ± 0.354 (0.786) C:77% T:72%**	pCi/L	03/10/25 12:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.159U ± 0.508 (1.21)**	pCi/L	03/11/25 15:09	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Sample: HAM-HGWA-42D **Lab ID: 92779982004** Collected: 02/14/25 15:08 Received: 02/17/25 14:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.110U ± 0.271 (0.638) C:69% T:NA**	pCi/L	03/11/25 08:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.190U ± 0.321 (0.699) C:74% T:87%**	pCi/L	03/10/25 12:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.300U ± 0.592 (1.34)**	pCi/L	03/11/25 15:09	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Sample: HAM-HGWC-17 **Lab ID: 92779982005** Collected: 02/16/25 16:46 Received: 02/17/25 14:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.106U ± 0.214 (0.496) C:68% T:NA**	pCi/L	03/11/25 08:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.13U ± 0.615 (1.14) C:74% T:75%**	pCi/L	03/10/25 12:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.24U ± 0.829 (1.64)**	pCi/L	03/11/25 15:09	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Sample: HAM-MW-33 **Lab ID: 92779982006** Collected: 02/16/25 15:14 Received: 02/17/25 14:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.188U ± 0.175 (0.323) C:76% T:NA**	pCi/L	03/11/25 10:53	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.923U ± 0.592 (1.14) C:73% T:72%**	pCi/L	03/10/25 12:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.11U ± 0.767 (1.46)**	pCi/L	03/11/25 15:09	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Sample: HAM-AP2-EB-01 **Lab ID: 92779982007** Collected: 02/16/25 16:45 Received: 02/17/25 14:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.301U ± 0.277 (0.527) C:55% T:NA**	pCi/L	03/11/25 10:53	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.864U ± 0.560 (1.08) C:75% T:76%**	pCi/L	03/10/25 12:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.17U ± 0.837 (1.61)**	pCi/L	03/11/25 15:09	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Sample: HAM-AP2-FB-01 **Lab ID: 92779982008** Collected: 02/16/25 16:40 Received: 02/17/25 14:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.00493U ± 0.102 (0.283) C:103% T:NA**	pCi/L	03/11/25 09:30	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.09 ± 0.531 (0.937) C:73% T:92%**	pCi/L	03/10/25 12:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.09U ± 0.633 (1.22)**	pCi/L	03/11/25 15:09	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Sample: HAM-HGWC-14 **Lab ID: 92779982009** Collected: 02/18/25 09:18 Received: 02/19/25 15:25 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.212U ± 0.226 (0.470) C:89% T:NA**	pCi/L	03/12/25 08:28	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.473U ± 0.520 (1.09) C:75% T:84%**	pCi/L	03/10/25 15:26	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.685U ± 0.746 (1.56)**	pCi/L	03/12/25 13:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Sample: HAM-HGWC-15 **Lab ID: 92779982010** Collected: 02/17/25 13:45 Received: 02/19/25 15:25 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0349U ± 0.188 (0.503) C:82% T:NA**	pCi/L	03/12/25 09:27	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.191U ± 0.465 (1.03) C:74% T:85%**	pCi/L	03/10/25 15:26	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.191U ± 0.653 (1.53)**	pCi/L	03/12/25 13:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Sample: HAM-HGWC-16 **Lab ID: 92779982011** Collected: 02/17/25 10:26 Received: 02/19/25 15:25 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.269U ± 0.250 (0.511) C:90% T:NA**	pCi/L	03/12/25 08:28	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.556U ± 0.536 (1.11) C:74% T:81%**	pCi/L	03/10/25 15:26	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.825U ± 0.786 (1.62)**	pCi/L	03/12/25 13:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Sample: HAM-HGWC-18 **Lab ID: 92779982012** Collected: 02/18/25 09:47 Received: 02/19/25 15:25 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.390U ± 0.262 (0.471) C:86% T:NA**	pCi/L	03/12/25 08:28	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.17 ± 0.628 (1.15) C:74% T:80%**	pCi/L	03/10/25 15:26	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.56U ± 0.890 (1.62)**	pCi/L	03/12/25 13:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Sample: HAM-MW-21D **Lab ID: 92779982013** Collected: 02/18/25 12:12 Received: 02/19/25 15:25 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.182U ± 0.242 (0.527) C:78% T:NA**	pCi/L	03/12/25 09:45	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.743U ± 0.477 (0.895) C:76% T:78%**	pCi/L	03/10/25 15:26	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.925U ± 0.719 (1.42)**	pCi/L	03/12/25 13:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Sample: HAM-MW-22 **Lab ID: 92779982014** Collected: 02/18/25 10:00 Received: 02/19/25 15:25 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.313U ± 0.247 (0.464) C:77% T:NA**	pCi/L	03/12/25 08:31	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.663U ± 0.446 (0.841) C:76% T:82%**	pCi/L	03/10/25 15:27	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.976U ± 0.693 (1.31)**	pCi/L	03/12/25 13:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Sample: HAM-MW-23D **Lab ID: 92779982015** Collected: 02/17/25 10:52 Received: 02/19/25 15:25 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.124U ± 0.179 (0.387) C:82% T:NA**	pCi/L	03/12/25 08:30	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.119U ± 0.415 (0.940) C:76% T:82%**	pCi/L	03/10/25 15:27	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.243U ± 0.594 (1.33)**	pCi/L	03/12/25 13:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Sample: HAM-MW-34D **Lab ID: 92779982016** Collected: 02/18/25 11:15 Received: 02/19/25 15:25 Matrix: Water
PWS: Site 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 ± 0.259 (0.404) C:91% T:NA**	pCi/L	03/12/25 08:30	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.429U ± 0.421 (0.869) C:76% T:82%**	pCi/L	03/10/25 15:27	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.911U ± 0.680 (1.27)**	pCi/L	03/12/25 13:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Sample: HAM-MW-37D **Lab ID: 92779982017** Collected: 02/17/25 15:23 Received: 02/19/25 15:25 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.174U ± 0.192 (0.393) C:84% T:NA**	pCi/L	03/12/25 08:30	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.482U ± 0.405 (0.807) C:73% T:81%**	pCi/L	03/10/25 15:27	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.656U ± 0.597 (1.20)**	pCi/L	03/12/25 13:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Sample: HAM-AP2-FD-01 **Lab ID: 92779982018** Collected: 02/17/25 00:00 Received: 02/19/25 15:25 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0367U ± 0.137 (0.343) C:83% T:NA**	pCi/L	03/12/25 09:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.181U ± 0.352 (0.775) C:74% T:85%**	pCi/L	03/10/25 15:27	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.218U ± 0.489 (1.12)**	pCi/L	03/12/25 13:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Sample: HAM-AP2-FD-02 **Lab ID: 92779982019** Collected: 02/17/25 00:00 Received: 02/19/25 15:25 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0841U ± 0.174 (0.405) C:84% T:NA**	pCi/L	03/12/25 09:36	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.287U ± 0.358 (0.757) C:74% T:86%**	pCi/L	03/10/25 15:27	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.371U ± 0.532 (1.16)**	pCi/L	03/12/25 13:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Sample: HAM-AP2-EB-02 **Lab ID: 92779982020** Collected: 02/17/25 17:40 Received: 02/19/25 15:25 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0467U ± 0.159 (0.389) C:89% T:NA**	pCi/L	03/12/25 09:36	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.426U ± 0.370 (0.739) C:76% T:86%**	pCi/L	03/10/25 15:27	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.473U ± 0.529 (1.13)**	pCi/L	03/12/25 13:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Sample: HAM-AP2-FB-02 **Lab ID: 92779982021** Collected: 02/17/25 17:35 Received: 02/19/25 15:25 Matrix: Water
PWS: Site 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 ± 0.330 (0.778) C:80% T:NA**	pCi/L	03/19/25 08:17	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.03 ± 0.454 (0.730) C:75% T:88%**	pCi/L	03/10/25 15:28	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.16U ± 0.784 (1.51)**	pCi/L	03/21/25 09:22	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Sample: HAM-MW-35 **Lab ID: 92779982022** Collected: 03/06/25 13:38 Received: 03/10/25 12:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.456U ± 0.382 (0.755) C:85% T:NA**	pCi/L	03/19/25 08:17	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.717 ± 0.364 (0.619) C:76% T:89%**	pCi/L	03/31/25 12:09	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.17U ± 0.746 (1.37)**	pCi/L	04/07/25 16:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Sample: HAM-MW-51 **Lab ID: 92779982023** Collected: 03/06/25 15:12 Received: 03/10/25 12:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.341U ± 0.362 (0.757) C:93% T:NA**	pCi/L	03/19/25 08:19	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.264U ± 0.342 (0.725) C:73% T:81%**	pCi/L	03/31/25 12:09	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.605U ± 0.704 (1.48)**	pCi/L	04/07/25 16:28	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

QC Batch:	732720	Analysis Method:	EPA 9315
QC Batch Method:	EPA 9315	Analysis Description:	9315 Total Radium
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92779982021, 92779982022, 92779982023

METHOD BLANK: 3567108 Matrix: Water

Associated Lab Samples: 92779982021, 92779982022, 92779982023

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0320 ± 0.199 (0.562) C:81% T:NA	pCi/L	03/19/25 08:16	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

QC Batch: 728168
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92779982001, 92779982002, 92779982003, 92779982004, 92779982005, 92779982006, 92779982007, 92779982008

METHOD BLANK: 3544497 Matrix: Water
Associated Lab Samples: 92779982001, 92779982002, 92779982003, 92779982004, 92779982005, 92779982006, 92779982007, 92779982008

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.652 ± 0.323 (0.458) C:64% T:NA	pCi/L	03/11/25 08:21	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

QC Batch: 729141 Analysis Method: EPA 9320
QC Batch Method: EPA 9320 Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92779982009, 92779982010, 92779982011, 92779982012, 92779982013, 92779982014, 92779982015, 92779982016, 92779982017, 92779982018, 92779982019, 92779982020, 92779982021

METHOD BLANK: 3549310 Matrix: Water
Associated Lab Samples: 92779982009, 92779982010, 92779982011, 92779982012, 92779982013, 92779982014, 92779982015, 92779982016, 92779982017, 92779982018, 92779982019, 92779982020, 92779982021

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.192 ± 0.350 (0.767) C:73% T:80%	pCi/L	03/10/25 15:25	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

QC Batch: 734191
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92779982022, 92779982023

METHOD BLANK: 3573799 Matrix: Water
Associated Lab Samples: 92779982022, 92779982023

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.0156 ± 0.336 (0.778) C:73% T:90%	pCi/L	03/31/25 12:08	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

QC Batch: 728170
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92779982001, 92779982002, 92779982003, 92779982004, 92779982005, 92779982006, 92779982007, 92779982008

METHOD BLANK: 3544499 Matrix: Water
Associated Lab Samples: 92779982001, 92779982002, 92779982003, 92779982004, 92779982005, 92779982006, 92779982007, 92779982008

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.679 ± 0.418 (0.785) C:74% T:86%	pCi/L	03/10/25 11:58	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

QC Batch: 729140 | Analysis Method: EPA 9315
QC Batch Method: EPA 9315 | Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92779982009, 92779982010, 92779982011, 92779982012, 92779982013, 92779982014, 92779982015, 92779982016, 92779982017, 92779982018, 92779982019, 92779982020

METHOD BLANK: 3549309 Matrix: Water

Associated Lab Samples: 92779982009, 92779982010, 92779982011, 92779982012, 92779982013, 92779982014, 92779982015, 92779982016, 92779982017, 92779982018, 92779982019, 92779982020

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0236 ± 0.117 (0.342) C:89% T:NA	pCi/L	03/12/25 08:25	

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QUALIFIERS

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

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

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92779982001	**HAM-HGWA-4**	EPA 9315	728168		
92779982002	**HAM-HGWA-5**	EPA 9315	728168		
92779982003	**HAM-HGWA-6**	EPA 9315	728168		
92779982004	**HAM-HGWA-42D**	EPA 9315	728168		
92779982005	**HAM-HGWC-17**	EPA 9315	728168		
92779982006	**HAM-MW-33**	EPA 9315	728168		
92779982007	**HAM-AP2-EB-01**	EPA 9315	728168		
92779982008	**HAM-AP2-FB-01**	EPA 9315	728168		
92779982009	**HAM-HGWC-14**	EPA 9315	729140		
92779982010	**HAM-HGWC-15**	EPA 9315	729140		
92779982011	**HAM-HGWC-16**	EPA 9315	729140		
92779982012	**HAM-HGWC-18**	EPA 9315	729140		
92779982013	**HAM-MW-21D**	EPA 9315	729140		
92779982014	**HAM-MW-22**	EPA 9315	729140		
92779982015	**HAM-MW-23D**	EPA 9315	729140		
92779982016	**HAM-MW-34D**	EPA 9315	729140		
92779982017	**HAM-MW-37D**	EPA 9315	729140		
92779982018	**HAM-AP2-FD-01**	EPA 9315	729140		
92779982019	**HAM-AP2-FD-02**	EPA 9315	729140		
92779982020	**HAM-AP2-EB-02**	EPA 9315	729140		
92779982021	**HAM-AP2-FB-02**	EPA 9315	732720		
92779982022	**HAM-MW-35**	EPA 9315	732720		
92779982023	**HAM-MW-51**	EPA 9315	732720		
92779982001	**HAM-HGWA-4**	EPA 9320	728170		
92779982002	**HAM-HGWA-5**	EPA 9320	728170		
92779982003	**HAM-HGWA-6**	EPA 9320	728170		
92779982004	**HAM-HGWA-42D**	EPA 9320	728170		
92779982005	**HAM-HGWC-17**	EPA 9320	728170		
92779982006	**HAM-MW-33**	EPA 9320	728170		
92779982007	**HAM-AP2-EB-01**	EPA 9320	728170		
92779982008	**HAM-AP2-FB-01**	EPA 9320	728170		
92779982009	**HAM-HGWC-14**	EPA 9320	729141		
92779982010	**HAM-HGWC-15**	EPA 9320	729141		
92779982011	**HAM-HGWC-16**	EPA 9320	729141		
92779982012	**HAM-HGWC-18**	EPA 9320	729141		
92779982013	**HAM-MW-21D**	EPA 9320	729141		
92779982014	**HAM-MW-22**	EPA 9320	729141		
92779982015	**HAM-MW-23D**	EPA 9320	729141		
92779982016	**HAM-MW-34D**	EPA 9320	729141		
92779982017	**HAM-MW-37D**	EPA 9320	729141		
92779982018	**HAM-AP2-FD-01**	EPA 9320	729141		
92779982019	**HAM-AP2-FD-02**	EPA 9320	729141		
92779982020	**HAM-AP2-EB-02**	EPA 9320	729141		
92779982021	**HAM-AP2-FB-02**	EPA 9320	729141		
92779982022	**HAM-MW-35**	EPA 9320	734191		
92779982023	**HAM-MW-51**	EPA 9320	734191		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hammond AP-2-RAD
Pace Project No.: 92779982

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92779982001	**HAM-HGWA-4**	Total Radium Calculation	732070		
92779982002	**HAM-HGWA-5**	Total Radium Calculation	732070		
92779982003	**HAM-HGWA-6**	Total Radium Calculation	732070		
92779982004	**HAM-HGWA-42D**	Total Radium Calculation	732070		
92779982005	**HAM-HGWC-17**	Total Radium Calculation	732070		
92779982006	**HAM-MW-33**	Total Radium Calculation	732070		
92779982007	**HAM-AP2-EB-01**	Total Radium Calculation	732070		
92779982008	**HAM-AP2-FB-01**	Total Radium Calculation	732070		
92779982009	**HAM-HGWC-14**	Total Radium Calculation	732353		
92779982010	**HAM-HGWC-15**	Total Radium Calculation	732353		
92779982011	**HAM-HGWC-16**	Total Radium Calculation	732353		
92779982012	**HAM-HGWC-18**	Total Radium Calculation	732353		
92779982013	**HAM-MW-21D**	Total Radium Calculation	732353		
92779982014	**HAM-MW-22**	Total Radium Calculation	732353		
92779982015	**HAM-MW-23D**	Total Radium Calculation	732353		
92779982016	**HAM-MW-34D**	Total Radium Calculation	732353		
92779982017	**HAM-MW-37D**	Total Radium Calculation	732353		
92779982018	**HAM-AP2-FD-01**	Total Radium Calculation	732353		
92779982019	**HAM-AP2-FD-02**	Total Radium Calculation	732353		
92779982020	**HAM-AP2-EB-02**	Total Radium Calculation	732353		
92779982021	**HAM-AP2-FB-02**	Total Radium Calculation	734471		
92779982022	**HAM-MW-35**	Total Radium Calculation	737885		
92779982023	**HAM-MW-51**	Total Radium Calculation	737885		

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DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

aboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: C&A Power

Project #: **WO# : 92779982**

92779982

Courier: ☐ Commercial ☐ Fed Ex ☑ Pace ☐ UPS ☐ USPS ☐ Other: ☐ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 2/14/25 LDH

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 1.7 Correction Factor: Add/Subtract (°C) +0.1

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

Cooler Temp Corrected (°C): 1.8

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

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

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

Field Data Required? ☐ Yes ☐ No

MMENTS/SAMPLE DISCREPANCY

Lot ID of split containers:

NT NOTIFICATION/RESOLUTION

son contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

iltrax ID: 69614

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO# : 92779982

PM: BV Due Date: 03/10/25

CLIENT: 92- GP-HAM

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

aboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

lient_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AGDU-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		2	1				2	1																						
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pH Adjustment Log for Preserved Samples

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

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

Jaltrax ID: 69614

WO# : 92779982

PM: BV **Due Date: 03/10/25**

CLIENT: 92- GP-HAM

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	GA Power	Report To:	SCS Contacts	Attention:	Southern Co.
Address:	Atlanta, GA	Copy To:	Geosyntec Contacts	Company Name:	
				Address:	
Email To:	SCS Contacts	Purchase Order No.:		Pace Quote Reference:	
Phone:	Fax:	Project Name:	Hammond AP-2	Pace Project Manager:	Bonnie Vang
Requested Due Date/TAT:	10 Day	Project Number:		Pace Profile #:	10839

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA ✓ OTHER CCR

Site Location STATE: GA

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Chlorids, Fluoride, Sulfate	Full App. III and IV metals	RAD 226/228	TDS	Major ions (Profile 10839-2)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
	Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS																N	N	N	N	N		92779982
1	HAM-HGWA-4	WG	G	2/12/2025	1247	2/12/25		15	6	3		2		1			X	X		X	X	N	Radium sent on separate COC 001
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Task Code: HAM-CCR-ASSMT-2025/01	Zain Webb / Geosyntec	2-14-25	1340	Ryan Williams / Pace	2/14/25	1340	
	Ryan Williams / Pace	2/14/25	1610	Danielle Hanes 2/14/25 (DH)			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Amanda Tomlinson, Zain Webb, Thomas Kessler / Geosyntec Consultants,

SIGNATURE of SAMPLER: (TK) (AT) DATE Signed (MM/DD/YY): 2-13-25

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-C-020rev.07, 15-Feb-2007

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

Courier: ☐ Commercial ☐ Fed Ex ☑ Pace ☐ UPS ☐ USPS ☐ Other:____ ☐ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 2/17/25 CH

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☐ N/A

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 0.9 Correction Factor: Add/Subtract (°C) +0.1

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

Cooler Temp Corrected (°C): 1.0

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

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

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

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client _____ Profile/EZ (Circle one) _____ Notes _____

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

pH Adjustment Log for Preserved Samples

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

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

Pace Analytical
www.pacelabs.com

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:	GA Power
Address:	Atlanta, GA
Email To:	SCS Contacts
Phone:	Fax:
Requested Due Date/TAT:	10 Day

Section B Required Project Information:

Report To:	SCS Contacts
Copy To:	Geosyntec Contacts
Purchase Order No.:	
Project Name:	Hammond AP-2
Project Number:	

Section C Invoice Information:

Attention:	Southern Co.
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Bonnie Vang
Pace Profile #:	10839

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA ✓ OTHER CCR

Site Location STATE: GA

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Chloride, Fluoride, Sulfate	Full App. III and IV metals	RAD 226/228	TDS	Major Ions (Profile 10839-2)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92779982
																		Y/N	N	N	N	N	N		
1	HAM-HGWA-4	WG	G	2/14/2025	1237			16	2			2								X				N	001
2	HAM-HGWA-5	WG	G	2/14/2025	1212			18	8	3		4		1					X	X	X	X	X	N	002
3	HAM-HGWA-6	WG	G	2/14/2025	1325			18	8	3		4		1					X	X	X	X	X	N	003
4	HAM-HGWA-42D	WG	G	2/14/2025	1508			18	8	3		4		1					X	X	X	X	X	N	004
5	HAM-HGWC-17	WG	G	2/16/2025	1646			16	8	3		4		1					X	X	X	X	X	N	005
6	HAM-MW-33	WG	G	2/16/2025	1514			15	8	3		4		1					X	X	X	X	X	N	006
7	HAM-AP2-EB-01	WQ	G	2/16/2025	1645			16	6	2		4							X	X	X	X		N	007
8	HAM-AP2-FB-01	WQ	G	2/16/2025	1640			16	6	2		4							X	X	X	X		N	008
9																									
10																									
11																									
12																									

2/17-2/18/25

2W 2-16-25

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Task Code: HAM-CCR-ASSMT-2025S1	Zain Webb/Geosyntec	2-17-25	1230	Ryan Williams / Pace	2/17/2025	1230	✓
	Ryan Williams / Pace	2/17/25	1445		2/17/25	1445	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Amanda Tomlinson, Thomas Kessler, Zain Webb / Geosyntec Consultants, Inc

SIGNATURE of SAMPLER: Zain Webb (AT) (TK) DATE Signed (MM/DD/YY): 2-17-25

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

aboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

Courier: ☐ Commercial ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Pace ☐ Other:____

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 2/19/25 KIT

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 230

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 1.3 Correction Factor: Add/Subtract (°C) +0.1

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

Cooler Temp Corrected (°C): 1.4

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

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

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

MMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

NT NOTIFICATION/RESOLUTION

rson contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

altrax ID: 69614

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		2	1		2		2	1																						
2		2	1		2		2	1																						
3		2	1		2		2	1																						
4		2	1		2		2	1																						
5		2	1		2		2	1																						
6		2	1		2		2	1																						
7		2	1		2		2	1																						
8		2	1		2		2	1																						
9		2	1		2		2	1																						
10		1	1		2		2																							
11		1	1		2		2																							
12		1	1		2		2																							

pH Adjustment Log for Preserved Samples

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

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

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1		2		2																							
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pH Adjustment Log for Preserved Samples

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

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

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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.

Page: 1 of 2

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	GA Power	Report To:	SCS Contacts	Attention:	Southern Co.
Address:	Atlanta, GA	Copy To:	Geosyntec Contacts	Company Name:	
				Address:	
Email To:	SCS Contacts	Purchase Order No.:		Pace Quote Reference:	
Phone:	Fax:	Project Name:	Hammond AP-2	Pace Project Manager:	Bonnie Vang
Requested Due Date/TAT:	10 Day	Project Number:		Pace Profile #:	10839

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Chloride, Fluoride, Sulfate	Full App. III and IV metals	RAD 226/228	TDS	Major Ions (Profile 10839-2)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92779902
																		Y/N	N	N	N	N	N		
1	HAM-HGWC-14	WG	G	2/18/2025	0918			19	8	3		4					1		X	X	X	X	X	N	009
2	HAM-HGWC-15	WG	G	2/17/2025	1345			17	8	3		4					1		X	X	X	X	X	N	010
3	HAM-HGWC-16	WG	G	2/17/2025	1026			14	8	3		4					1		X	X	X	X	X	N	011
4	HAM-HGWC-18	WG	G	2/18/2025	0947			14	8	3		4					1		X	X	X	X	X	N	012
5	HAM-MW-21D	WG	G	2/18/2025	1212			17	8	3		4					1		X	X	X	X	X	N	013
6	HAM-MW-22	WG	G	2/18/2025	1000			16	8	3		4					1		X	X	X	X	X	N	014
7	HAM-MW-23D	WG	G	2/17/2025	1052			16	8	3		4					1		X	X	X	X	X	N	015
8	HAM-MW-34D	WG	G	2/18/2025	1115			19	8	3		4					1		X	X	X	X	X	N	016
9	HAM-MW-37D	WG	G	2/17/2025	1523	ART	2/18/2025	17	8	3		4					1		X	X	X	X	X	N	017
10	HAM-AP2-FD-01	WG	G	2/17/2025	0000			14	6	2		4							X	X	X	X		N	018
11	HAM-AP2-FD-02	WG	G	2/17/2025	0000			16	6	2		4							X	X	X	X		N	019
12	HAM-AP2-EB-02	WG	G	2/17/2025	1740			17	6	2		4							X	X	X	X		N	020

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Task Code: HAM-CCR-ASSMT 2025S1	[signature] Geosyntec	2/19/2025	1220	Ryan William / Pace	2/19/2025	1220	
	Ryan William / Pace	2/19/2025	1525	[signature]	2/19/25	1525	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Amanda Tomlinson, Zain Webb, Jacob Tracy / Geosyntec Consultants, Inc

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2/19/2025

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-Feb-2007

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company:	GA Power
Address:	Atlanta, GA
Email To:	SCS Contacts
Phone:	Fax:
Requested Due Date/TAT:	10 Day

Section B Required Project Information:

Report To:	SCS Contacts
Copy To:	Geosyntec Contacts
Purchase Order No:	
Project Name:	Hammond AP-2
Project Number:	

Section C Invoice Information:

Attention:	Southern Co
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Bonnie Vang
Pace Profile #:	10839

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COLLECTED: COMPOSITE START TIME	COLLECTED: COMPOSITE END/GRAB DATE	COLLECTED: COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Chloride, Fluoride, Sulfate	Full App III and IV metals	RAD 226/228	TDS	Major Ions (Profile 10839-2)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																		Requested Analysis Filtered (Y/N)	N	N	N	N	N		
1	HAM-AP2-FB-02	WQ	G	2/17/2025	1735	ART 2/18/2025		17	6	2		4							X	X	X	X		N	
2																									
3																									
4																									
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7																									
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10																									
11																									
12																									

ART 2/18/2025

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Task Code: HAM-CCR-ASSMT-2025S1	[signature] / Geosyntec	2/19/2025	1220	Ryan William / Pace	2/19/2025	1220	
	Ryan William / Pace	2/19/2025	1525	[signature]	2/19/25	1525	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Amanda Tomlinson, Jacob Tracy, Zain Webb / Geosyntec Consultants, Inc

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2/19/2025

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev 07, 15-Feb-2007

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GL Power Project #:

WO#: 92779982
PM: BV Due Date: 03/10/25
CLIENT: 92- GP-HAM

Courier: ☐ Commercial ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Pace ☐ Other:

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 3/10/25 JV

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 732 Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.1 Correction Factor: Add/Subtract (°C) 0.1

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

Cooler Temp Corrected (°C): 2.2

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92779982
PM: BV Due Date: 03/10/25
CLIENT: 92- GP-HAM

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client _____ Profile/EZ (Circle one) _____ Notes _____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)	BP1N	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		2	1				2	1																						
2		2	1				2	1																				2		
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pH Adjustment Log for Preserved Samples

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

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

ualtrax ID: 69614

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 1

Section A Required Client Information		Section B Required Project Information		Section C Invoice Information	
Company:	GA Power	Report To:	SCS Contacts	Attention:	Southern Co
Address:	Atlanta, GA	Copy To:	Geosyntec Contacts	Company Name:	
				Address:	
Email To:	SCS Contacts	Purchase Order No.:		Pace Quote Reference:	
Phone:	Fax:	Project Name:	Hammond AP-2	Pace Project Manager:	Bonnie Vang
Requested Due Date/TAT:	10 Day	Project Number:		Pace Profile #:	10839

REGULATORY AGENCY

NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9, /, -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB, C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Chloride	Fluoride	Sulfate	Full App III and IV metals	RAD 226/228	TDS	Major Ions (Profile 10839-2)	Residual Chlorine (Y/N)	Pace Project No / Lab I.D.
	Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS																	N	N	N	N	N	N			92779982
1	HAM-MW-35	WG	G	3/6/2025	1336			17	8	3		4					1	X	X	X	X	X			N	022
2	HAM-MW-51	WG	G	3/6/2025	1512	ZW 3/10/2025		17	8	3		4					1	X	X	X	X	X		ZW 3/10/2025	N	023
3																										
4																										
5																										
6																										
7						ZW 3/10/2025																				
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
~~Task Code: HAM-CCR-ASSMT-2025SS~~ HAM-CCR-ASSMT-2025SS ZW	Zain Webb / Geosyntec	3/10/25	1020	Ryan William / Pace	3/10/2025	1020	
	Ryan William / Pace	3/10/2025	1245		3/10	1245	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Zain Webb / Geosyntec Consultants Inc

SIGNATURE of SAMPLER: Zain Webb DATE Signed (MM/DD/YY): 3/10/25

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-Feb-2007

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-228
Analyst:	VAL
Date:	3/3/2025
Worklist:	83720
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3544499
MB concentration:	0.679
M/B 2 Sigma CSU:	0.418
MB MDC:	0.785
MB Numerical Performance Indicator:	3.18
MB Status vs Numerical Indicator:	Fail*
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS83720	LCSD83720
Count Date:	3/10/2025	3/10/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	33.291	33.291
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.818	0.819
Target Conc. (pCi/L, g, F):	4.072	4.063
Uncertainty (Calculated):	0.200	0.199
Result (pCi/L, g, F):	4.052	4.826
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.964	1.108
Numerical Performance Indicator:	-0.04	1.33
Percent Recovery:	99.52%	118.77%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS83720	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD83720	
Sample Result (pCi/L, g, F):	4.052	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.964	
Sample Duplicate Result (pCi/L, g, F):	4.826	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.108	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-1.033	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	17.64%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

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

Comments:

~~*If the lowest activity sample in this batch is greater than ten times the blank value, the blank is acceptable; otherwise this batch must be re-prepped.~~ X MB activity < MDC, Pass

VAL 3/11/25

3/11/25

Quality Control Sample Performance Assessment

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Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test:	Ra-228
Analyst:	ZPC
Date:	3/3/2025
Worklist:	83787
Matrix:	WT

Method Blank Assessment	
MB Sample ID	3549310
MB concentration:	0.192
M/B 2 Sigma CSU:	0.350
MB MDC:	0.767
MB Numerical Performance Indicator:	1.07
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS83787	**LCSD83787**
Count Date:	3/10/2025	3/10/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	33.291	33.291
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.820	0.818
Target Conc. (pCi/L, g, F):	4.060	4.068
Uncertainty (Calculated):	0.199	0.199
Result (pCi/L, g, F):	4.016	4.709
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.971	1.066
Numerical Performance Indicator:	-0.09	1.16
Percent Recovery:	98.93%	115.78%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS83787	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD83787	
Sample Result (pCi/L, g, F):	4.016	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.971	
Sample Duplicate Result (pCi/L, g, F):	4.709	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.066	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-0.942	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	15.70%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

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

Comments:

VAL
3/11/25

Quality Control Sample Performance Assessment

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test:	Ra-228
Analyst:	ZPC
Date:	3/28/2025
Worklist:	84161
Matrix:	WT

Method Blank Assessment	
MB Sample ID	3573799
MB concentration:	0.016
M/B 2 Sigma CSU:	0.336
MB MDC:	0.778
MB Numerical Performance Indicator:	0.09
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS84161	**LCSD84161**
Count Date:	4/4/2025	4/4/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	33.018	33.018
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.820	0.816
Target Conc. (pCi/L, g, F):	4.029	4.046
Uncertainty (Calculated):	0.197	0.198
Result (pCi/L, g, F):	4.574	4.512
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.064	1.077
Numerical Performance Indicator:	0.99	0.83
Percent Recovery:	113.53%	111.51%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS84161	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD84161	
Sample Result (pCi/L, g, F):	4.574	
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.064	
Sample Duplicate Result (pCi/L, g, F):	4.512	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.077	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	0.080	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	1.79%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

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

Comments:

Quality Control Sample Performance Assessment

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Test:	Ra-226
Analyst:	SLC
Date:	3/8/2025
Worklist:	83719
Matrix:	W

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3544497
MB concentration:	0.652
M/B 2 Sigma CSU:	0.323
MB MDC:	0.458
MB Numerical Performance Indicator:	3.95
MB Status vs Numerical Indicator:	Fail*
MB Status vs. MDC:	N/A

OK - less than RL

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS83719	LCSD83719
Count Date:	3/11/2025	3/11/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.014	25.014
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.506	0.507
Target Conc. (pCi/L, g, F):	4.945	4.936
Uncertainty (Calculated):	0.232	0.232
Result (pCi/L, g, F):	5.458	5.846
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.037	1.114
Numerical Performance Indicator:	0.95	1.57
Percent Recovery:	110.38%	118.45%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS83719	92779986008
Duplicate Sample I.D.	LCSD83719	92779986008DUP
Sample Result (pCi/L, g, F):	5.458	0.048
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.037	0.216
Sample Duplicate Result (pCi/L, g, F):	5.846	0.085
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.114	0.130
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-0.500	-0.291
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	7.06%	56.33%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

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

Comments:
*If the lowest activity ~~sample in this batch is greater than ten times the blank value, the blank is acceptable, otherwise this batch must be re-prepped~~. OK less than RL

LAM 3/11/25

LAM 3/11/25

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Quality Control Sample Performance Assessment

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Test:	Ra-226
Analyst:	SLC
Date:	3/9/2025
Worklist:	83786
Matrix:	W

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3549309
MB concentration:	-0.024
M/B 2 Sigma CSU:	0.117
MB MDC:	0.342
MB Numerical Performance Indicator:	-0.40
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS83786	LCSD83786
Count Date:	3/12/2025	3/12/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.014	25.014
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.524	0.522
Target Conc. (pCi/L, g, F):	4.776	4.796
Uncertainty (Calculated):	0.224	0.225
Result (pCi/L, g, F):	4.500	5.030
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.883	0.971
Numerical Performance Indicator:	-0.59	0.46
Percent Recovery:	94.24%	104.86%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS83786	92779982016
Duplicate Sample I.D.	LCSD83786	92779982016DUP
Sample Result (pCi/L, g, F):	4.500	0.482 ✓
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.883	0.259 ✓
Sample Duplicate Result (pCi/L, g, F):	5.030	0.019 ✓
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.971	0.098
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-0.790	3.284
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	10.67%	184.96%
Duplicate Status vs Numerical Indicator:	Pass	Fail***
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	~~25%~~	~~25%~~

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

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

Comments:

~~***Batch must be re-prepped due to unacceptable precision.~~ N/A LAM 3/12/25 Activity below RL

LAM 3/12/25

LAM 3/12/25

Quality Control Sample Performance Assessment

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Test:	Ra-226
Analyst:	SLC
Date:	3/18/2025
Worklist:	84044
Matrix:	W

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3567108
MB concentration:	-0.032
M/B 2 Sigma CSU:	0.199
MB MDC:	0.562
MB Numerical Performance Indicator:	-0.31
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS84044	LCSD84044
Count Date:	3/19/2025	3/19/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.014	25.014
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.502	0.501
Target Conc. (pCi/L, g, F):	4.987	4.997
Uncertainty (Calculated):	0.234	0.235
Result (pCi/L, g, F):	5.410	6.056
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.151	1.278
Numerical Performance Indicator:	0.71	1.60
Percent Recovery:	108.48%	121.19%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

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

Duplicate Sample Assessment	
Sample I.D.:	LCS84044
Duplicate Sample I.D.	LCSD84044
Sample Result (pCi/L, g, F):	5.410
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.151
Sample Duplicate Result (pCi/L, g, F):	6.056
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.278
Are sample and/or duplicate results below RL?	NO
Duplicate Numerical Performance Indicator:	-0.737
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	11.07%
Duplicate Status vs Numerical Indicator:	Pass
Duplicate Status vs RPD:	N/A
% RPD Limit:	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

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

Comments:

VAM 3/20/25

SLC 3/19/25

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

March 06, 2025

Ben Hodges
Southern Company

,

RE: Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780435

Dear Ben Hodges:

Enclosed are the analytical results for sample(s) received by the laboratory on February 18, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Asheville

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

Sincerely,

Maiya Parks
maiya.parks@pacelabs.com
770-734-4205
Project Manager

Enclosures

cc: Jordan Gamble, ARCADIS US, Inc. - Atlanta
Christine Hug, Geosyntec Consultants, Inc.
Priya Jacob, ARCADIS US, Inc. - Atlanta
Allison Keefer, Southern Company
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec Consultants, Inc
Noelia Muskus Ruiz, Georgia Power
Tina Sullivan, ERM

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Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

CERTIFICATIONS

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780435

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780435

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92780435001	**HAM-AP2-Up**	Water	02/17/25 12:57	02/18/25 15:46
92780435002	**HAM-AP2-Mid**	Water	02/17/25 12:45	02/18/25 15:46
92780435003	**HAM-AP2-Down**	Water	02/17/25 11:00	02/18/25 15:46
92780435004	**HAM-H+0.35**	Water	02/17/25 11:05	02/18/25 15:46
92780435005	**HAM-H+0.75**	Water	02/17/25 10:53	02/18/25 15:46

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SAMPLE ANALYTE COUNT

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780435

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92780435001	**HAM-AP2-Up**	EPA 6010D	DBB1	5	PASI-A
		EPA 6020B	DBB1	1	PASI-A
		SM 2320B-2011	YEG	3	PASI-A
		SM 2540C-2015	CDM	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
92780435002	**HAM-AP2-Mid**	EPA 6010D	DBB1	5	PASI-A
		EPA 6020B	DBB1	1	PASI-A
		SM 2320B-2011	YEG	3	PASI-A
		SM 2540C-2015	CDM	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
92780435003	**HAM-AP2-Down**	EPA 6010D	DBB1	5	PASI-A
		EPA 6020B	DBB1	1	PASI-A
		SM 2320B-2011	YEG	3	PASI-A
		SM 2540C-2015	CDM	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
92780435004	**HAM-H+0.35**	EPA 6010D	DBB1	5	PASI-A
		EPA 6020B	DBB1	1	PASI-A
		SM 2320B-2011	YEG	3	PASI-A
		SM 2540C-2015	CDM	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
92780435005	**HAM-H+0.75**	EPA 6010D	DBB1	5	PASI-A
		EPA 6020B	DBB1	1	PASI-A
		SM 2320B-2011	YEG	3	PASI-A
		SM 2540C-2015	CDM	1	PASI-A
		EPA 9056A	JCM	3	PASI-A

PASI-A = Pace Analytical Services - Asheville

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ANALYTICAL RESULTS

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780435

Sample: HAM-AP2-Up **Lab ID: 92780435001** Collected: 02/17/25 12:57 Received: 02/18/25 15:46 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Boron	ND	mg/L	0.050	1	02/21/25 01:00	02/21/25 13:35	7440-42-8	
Calcium	**15.3**	mg/L	0.10	1	02/21/25 01:00	02/21/25 13:35	7440-70-2	
Magnesium	**1.8**	mg/L	0.10	1	02/21/25 01:00	02/21/25 13:35	7439-95-4	
Potassium	ND	mg/L	5.0	1	02/21/25 01:00	02/21/25 13:35	7440-09-7	
Sodium	ND	mg/L	5.0	1	02/21/25 01:00	02/21/25 13:35	7440-23-5	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Cobalt	ND	mg/L	0.0010	1	03/05/25 02:05	03/05/25 21:18	7440-48-4	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**42.2**	mg/L	5.0	1		02/24/25 22:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1		02/24/25 22:40		
Alkalinity, Total as CaCO3	**42.2**	mg/L	5.0	1		02/24/25 22:40		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville							
Total Dissolved Solids	**74.0**	mg/L	25.0	1		02/22/25 12:40		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	ND	mg/L	1.0	1		02/20/25 00:55	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/25 00:55	16984-48-8	
Sulfate	**4.5**	mg/L	1.0	1		02/20/25 00:55	14808-79-8	

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ANALYTICAL RESULTS

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780435

Sample: HAM-AP2-Mid **Lab ID: 92780435002** Collected: 02/17/25 12:45 Received: 02/18/25 15:46 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Boron	ND	mg/L	0.050	1	02/21/25 01:00	02/21/25 13:39	7440-42-8	
Calcium	**15.6**	mg/L	0.10	1	02/21/25 01:00	02/21/25 13:39	7440-70-2	
Magnesium	**2.0**	mg/L	0.10	1	02/21/25 01:00	02/21/25 13:39	7439-95-4	
Potassium	ND	mg/L	5.0	1	02/21/25 01:00	02/21/25 13:39	7440-09-7	
Sodium	ND	mg/L	5.0	1	02/21/25 01:00	02/21/25 13:39	7440-23-5	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Cobalt	ND	mg/L	0.0010	1	03/05/25 02:05	03/05/25 21:22	7440-48-4	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**40.1**	mg/L	5.0	1		02/24/25 22:46		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1		02/24/25 22:46		
Alkalinity, Total as CaCO3	**40.1**	mg/L	5.0	1		02/24/25 22:46		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville							
Total Dissolved Solids	**67.0**	mg/L	25.0	1		02/22/25 12:40		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	ND	mg/L	1.0	1		02/20/25 01:10	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/25 01:10	16984-48-8	
Sulfate	**5.6**	mg/L	1.0	1		02/20/25 01:10	14808-79-8	

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ANALYTICAL RESULTS

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780435

Sample: HAM-AP2-Down **Lab ID: 92780435003** Collected: 02/17/25 11:00 Received: 02/18/25 15:46 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Boron	ND	mg/L	0.050	1	02/21/25 01:00	02/21/25 13:42	7440-42-8	
Calcium	**13.1**	mg/L	0.10	1	02/21/25 01:00	02/21/25 13:42	7440-70-2	
Magnesium	**1.9**	mg/L	0.10	1	02/21/25 01:00	02/21/25 13:42	7439-95-4	
Potassium	ND	mg/L	5.0	1	02/21/25 01:00	02/21/25 13:42	7440-09-7	
Sodium	ND	mg/L	5.0	1	02/21/25 01:00	02/21/25 13:42	7440-23-5	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Cobalt	ND	mg/L	0.0010	1	03/05/25 02:05	03/05/25 21:25	7440-48-4	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**34.7**	mg/L	5.0	1		02/24/25 22:52		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1		02/24/25 22:52		
Alkalinity, Total as CaCO3	**34.7**	mg/L	5.0	1		02/24/25 22:52		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville							
Total Dissolved Solids	**60.0**	mg/L	25.0	1		02/22/25 12:40		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**1.1**	mg/L	1.0	1		02/20/25 01:25	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/25 01:25	16984-48-8	
Sulfate	**5.1**	mg/L	1.0	1		02/20/25 01:25	14808-79-8	

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ANALYTICAL RESULTS

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780435

Sample: HAM-H+0.35 **Lab ID: 92780435004** Collected: 02/17/25 11:05 Received: 02/18/25 15:46 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Boron	ND	mg/L	0.050	1	02/21/25 01:00	02/21/25 13:45	7440-42-8	
Calcium	**11.9**	mg/L	0.10	1	02/21/25 01:00	02/21/25 13:45	7440-70-2	
Magnesium	**2.9**	mg/L	0.10	1	02/21/25 01:00	02/21/25 13:45	7439-95-4	
Potassium	ND	mg/L	5.0	1	02/21/25 01:00	02/21/25 13:45	7440-09-7	
Sodium	ND	mg/L	5.0	1	02/21/25 01:00	02/21/25 13:45	7440-23-5	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Cobalt	**0.0013**	mg/L	0.0010	1	03/05/25 02:05	03/05/25 21:29	7440-48-4	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**35.9**	mg/L	5.0	1		02/25/25 11:37		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1		02/25/25 11:37		
Alkalinity, Total as CaCO3	**35.9**	mg/L	5.0	1		02/25/25 11:37		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville							
Total Dissolved Solids	**78.0**	mg/L	25.0	1		02/22/25 12:40		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**3.0**	mg/L	1.0	1		02/20/25 01:40	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/25 01:40	16984-48-8	
Sulfate	**4.6**	mg/L	1.0	1		02/20/25 01:40	14808-79-8	

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ANALYTICAL RESULTS

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780435

Sample: HAM-H+0.75 **Lab ID: 92780435005** Collected: 02/17/25 10:53 Received: 02/18/25 15:46 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Boron	ND	mg/L	0.050	1	02/21/25 01:00	02/21/25 13:48	7440-42-8	
Calcium	**12.1**	mg/L	0.10	1	02/21/25 01:00	02/21/25 13:48	7440-70-2	
Magnesium	**3.0**	mg/L	0.10	1	02/21/25 01:00	02/21/25 13:48	7439-95-4	
Potassium	ND	mg/L	5.0	1	02/21/25 01:00	02/21/25 13:48	7440-09-7	
Sodium	ND	mg/L	5.0	1	02/21/25 01:00	02/21/25 13:48	7440-23-5	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Cobalt	**0.0011**	mg/L	0.0010	1	03/05/25 02:05	03/05/25 21:33	7440-48-4	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**35.4**	mg/L	5.0	1		02/25/25 11:55		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1		02/25/25 11:55		
Alkalinity, Total as CaCO3	**35.4**	mg/L	5.0	1		02/25/25 11:55		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville							
Total Dissolved Solids	**77.0**	mg/L	25.0	1		02/22/25 12:40		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**3.0**	mg/L	1.0	1		02/20/25 01:55	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/25 01:55	16984-48-8	
Sulfate	**4.9**	mg/L	1.0	1		02/20/25 01:55	14808-79-8	

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QUALITY CONTROL DATA

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780435

QC Batch: 917648
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780435001, 92780435002, 92780435003, 92780435004, 92780435005

METHOD BLANK: 4716427 Matrix: Water
Associated Lab Samples: 92780435001, 92780435002, 92780435003, 92780435004, 92780435005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron	mg/L	ND	0.050	02/21/25 13:01	
Calcium	mg/L	ND	0.10	02/21/25 13:01	
Magnesium	mg/L	ND	0.10	02/21/25 13:01	
Potassium	mg/L	ND	5.0	02/21/25 13:01	
Sodium	mg/L	ND	5.0	02/21/25 13:01	

LABORATORY CONTROL SAMPLE: 4716428

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	0.5	0.50	100	80-120	
Calcium	mg/L	5	4.9	99	80-120	
Magnesium	mg/L	5	4.8	96	80-120	
Potassium	mg/L	5	4.9J	97	80-120	
Sodium	mg/L	5	ND	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4716429 4716430

Parameter	Units	92780426001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	ND	0.5	0.5	0.55	0.55	105	106	75-125	0	20	
Calcium	mg/L	6.6	5	5	11.7	11.5	100	97	75-125	1	20	
Magnesium	mg/L	1.6	5	5	6.8	6.8	103	103	75-125	0	20	
Potassium	mg/L	ND	5	5	6.2	6.1	104	103	75-125	1	20	
Sodium	mg/L	ND	5	5	6.5	6.4	104	103	75-125	1	20	

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QUALITY CONTROL DATA

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780435

QC Batch: 920025
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780435001, 92780435002, 92780435003, 92780435004, 92780435005

METHOD BLANK: 4727577 Matrix: Water
Associated Lab Samples: 92780435001, 92780435002, 92780435003, 92780435004, 92780435005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cobalt	mg/L	ND	0.0010	03/05/25 20:36	

LABORATORY CONTROL SAMPLE: 4727578

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cobalt	mg/L	0.05	0.051	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4727579 4727580

Parameter	Units	92780426001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	mg/L	ND	0.05	0.05	0.052	0.049	103	98	75-125	5	20	

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QUALITY CONTROL DATA

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780435

QC Batch: 918109
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780435001, 92780435002, 92780435003

METHOD BLANK: 4718509 Matrix: Water
Associated Lab Samples: 92780435001, 92780435002, 92780435003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	02/24/25 19:40	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	02/24/25 19:40	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	02/24/25 19:40	

LABORATORY CONTROL SAMPLE: 4718510

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.6	101	80-120	

LABORATORY CONTROL SAMPLE: 4718511

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4718512 4718513

Parameter	Units	92779769001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	75.8	50	50	124	123	96	95	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4718514 4718515

Parameter	Units	92779769002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	65.5	50	50	114	114	96	97	80-120	0	25	

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QUALITY CONTROL DATA

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780435

QC Batch: 918322
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780435004, 92780435005

METHOD BLANK: 4719398 Matrix: Water
Associated Lab Samples: 92780435004, 92780435005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	02/25/25 11:20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	02/25/25 11:20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	02/25/25 11:20	

LABORATORY CONTROL SAMPLE: 4719399

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.1	104	80-120	

LABORATORY CONTROL SAMPLE: 4719400

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.2	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4719401 4719402

Parameter	Units	92780435004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	35.9	50	50	84.4	85.3	97	99	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4719403 4719404

Parameter	Units	92780435005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	35.4	50	50	85.8	85.6	101	100	80-120	0	25	

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

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780435

QC Batch: 917868
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780435001, 92780435002, 92780435003, 92780435004, 92780435005

METHOD BLANK: 4717701 Matrix: Water
Associated Lab Samples: 92780435001, 92780435002, 92780435003, 92780435004, 92780435005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	02/22/25 12:38	

LABORATORY CONTROL SAMPLE: 4717702

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	248	99	90-110	

SAMPLE DUPLICATE: 4717703

Parameter	Units	92780908011 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	73.0	69.0	6	25	

SAMPLE DUPLICATE: 4717704

Parameter	Units	92780424002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	52.0	50.0	4	25	

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Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780435

QC Batch: 917316
QC Batch Method: EPA 9056A
Analysis Method: EPA 9056A
Analysis Description: 9056 IC anions 28 Days
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780435001, 92780435002, 92780435003, 92780435004, 92780435005

METHOD BLANK: 4714729 Matrix: Water
Associated Lab Samples: 92780435001, 92780435002, 92780435003, 92780435004, 92780435005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	02/19/25 21:33	
Fluoride	mg/L	ND	0.10	02/19/25 21:33	
Sulfate	mg/L	ND	1.0	02/19/25 21:33	

LABORATORY CONTROL SAMPLE: 4714730

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.4	99	90-110	
Fluoride	mg/L	2.5	2.4	95	90-110	
Sulfate	mg/L	50	47.2	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4714731 4714732

Parameter	Units	92780426001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	50	50	52.5	53.6	103	105	90-110	2	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	98	100	90-110	2	10	
Sulfate	mg/L	5.9	50	50	55.2	56.4	99	101	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4714733 4714734

Parameter	Units	92780627003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	58.7	50	50	93.8	97.3	70	77	90-110	4	10	M1
Fluoride	mg/L	0.14	2.5	2.5	2.6	2.8	99	105	90-110	6	10	
Sulfate	mg/L	250	50	50	288	292	76	83	90-110	1	10	M1

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110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALIFIERS

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780435

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

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110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780435

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92780435001	**HAM-AP2-Up**	EPA 3010A	917648	EPA 6010D	917660
92780435002	**HAM-AP2-Mid**	EPA 3010A	917648	EPA 6010D	917660
92780435003	**HAM-AP2-Down**	EPA 3010A	917648	EPA 6010D	917660
92780435004	**HAM-H+0.35**	EPA 3010A	917648	EPA 6010D	917660
92780435005	**HAM-H+0.75**	EPA 3010A	917648	EPA 6010D	917660
92780435001	**HAM-AP2-Up**	EPA 3010A	920025	EPA 6020B	920046
92780435002	**HAM-AP2-Mid**	EPA 3010A	920025	EPA 6020B	920046
92780435003	**HAM-AP2-Down**	EPA 3010A	920025	EPA 6020B	920046
92780435004	**HAM-H+0.35**	EPA 3010A	920025	EPA 6020B	920046
92780435005	**HAM-H+0.75**	EPA 3010A	920025	EPA 6020B	920046
92780435001	**HAM-AP2-Up**	SM 2320B-2011	918109		
92780435002	**HAM-AP2-Mid**	SM 2320B-2011	918109		
92780435003	**HAM-AP2-Down**	SM 2320B-2011	918109		
92780435004	**HAM-H+0.35**	SM 2320B-2011	918322		
92780435005	**HAM-H+0.75**	SM 2320B-2011	918322		
92780435001	**HAM-AP2-Up**	SM 2540C-2015	917868		
92780435002	**HAM-AP2-Mid**	SM 2540C-2015	917868		
92780435003	**HAM-AP2-Down**	SM 2540C-2015	917868		
92780435004	**HAM-H+0.35**	SM 2540C-2015	917868		
92780435005	**HAM-H+0.75**	SM 2540C-2015	917868		
92780435001	**HAM-AP2-Up**	EPA 9056A	917316		
92780435002	**HAM-AP2-Mid**	EPA 9056A	917316		
92780435003	**HAM-AP2-Down**	EPA 9056A	917316		
92780435004	**HAM-H+0.35**	EPA 9056A	917316		
92780435005	**HAM-H+0.75**	EPA 9056A	917316		

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Pace® Location Requested (City/State):
Pace Analytical Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 92780435

92780435

Company Name:	ARCADIS US, Inc. - Atlanta
Street Address:	2839 Paces Ferry Rd STE 900 Atlanta, GA 30339
Customer Project #:	
Project Name:	Plant Hammond/CCR-Ash Pond Closure
Site Collection Info/Facility ID (as applicable):	AP-2
Contact/Report To:	Priya Jacob
Phone #:	(618)790-6528
E-Mail:	priya.jacob@arcadis.com
Cc E-Mail:	Arcadis-Atl + GA Power Distribution List
Invoice To:	Accounts Payable
Invoice E-Mail:	georgiapowerinvoices@southernco.com
Purchase Order # (if applicable):	GPC82474-0001
Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested: 5 Day TAT

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Maiya Parks

AcctNum / Client ID:

Table #:

Profile / Template: 12590

Prelog / Bottle Ord. ID: EZ 3227736

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	App IV Metals - Co only	App. III Metals - B, Ca	Metals - K, Mg, Na	Alkalinity (Total/Bicarb), Cl, F, SO4	TDS	Sample Comment	Preservation non-conformance identified for sample.
HAM-AP2-Up	WS	G	2/17/25	1257			3			X	X	X	X	X		
HAM-AP2-Mid	WS	G	2/17/25	1245			3			X	X	X	X	X		
HAM-AP2-Down	WS	G	2/17/25	1100			3			X	X	X	X	X		
HAM-H+0.35	WS	G	2/17/25	1105			3			X	X	X	X	X		
HAM-H+0.75	WS	G	2/17/25	1053			3			X	X	X	X	X		

Additional Instructions from Pace®:
HAM-CSURF-ASSMT-2025S1

Collected By: (Printed Name) Grace H Gi

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature) Arcadis	Date/Time: 2/18/25 1546	Received by/Company: (Signature)	Date/Time: 2/18/25 1546	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Arcadis

Proj

WO#: 92780435
PM: MP Due Date: 02/26/25
CLIENT: GA-ArcadAtl

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other:____

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐

Date/Initials Person Examining Contents: 2/18/25 MW

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 214

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 4.6 Correction Factor: Add/Subtract (°C) 0

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

Cooler Temp Corrected (°C): 4.6

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

WO#: 92780435

PM: MP Due Date: 02/26/25

CLIENT: GA-ArcadAtl

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Client Arcadis Profile/EZ (Circle one) 322773 Notes

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG84-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1			2				1 ✓																							
2			2				1 ✓																							
3			2				1 ✓																							
4			2				1 ✓																							
5			2				1 ✓																							
6																														
7																														
8																														
9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

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

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

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

March 06, 2025

Ben Hodges
Southern Company

,

RE: Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780429

Dear Ben Hodges:

Enclosed are the analytical results for sample(s) received by the laboratory on February 18, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Asheville

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

Sincerely,

Maiya Parks
maiya.parks@pacelabs.com
770-734-4205
Project Manager

Enclosures

cc: Jordan Gamble, ARCADIS US, Inc. - Atlanta
Christine Hug, Geosyntec Consultants, Inc.
Priya Jacob, ARCADIS US, Inc. - Atlanta
Allison Keefer, Southern Company
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec Consultants, Inc
Noelia Muskus Ruiz, Georgia Power
Tina Sullivan, ERM

REPORT OF LABORATORY ANALYSIS

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110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

CERTIFICATIONS

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780429

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

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110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

SAMPLE SUMMARY

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780429

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92780429001	**HAM-H+0.25**	Water	02/17/25 11:12	02/18/25 15:46

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Peachtree Corners, GA 30092
(770)734-4200

SAMPLE ANALYTE COUNT

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780429

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92780429001	**HAM-H+0.25**	EPA 6010D	DBB1	5	PASI-A
		EPA 6020B	DBB1	2	PASI-A
		SM 2320B-2011	YEG	3	PASI-A
		SM 2540C-2015	CDM	1	PASI-A
		EPA 9056A	JCM	3	PASI-A

PASI-A = Pace Analytical Services - Asheville

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110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780429

Sample: HAM-H+0.25 **Lab ID: 92780429001** Collected: 02/17/25 11:12 Received: 02/18/25 15:46 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Boron	ND	mg/L	0.050	1	02/21/25 01:00	02/21/25 13:32	7440-42-8	
Calcium	**11.9**	mg/L	0.10	1	02/21/25 01:00	02/21/25 13:32	7440-70-2	
Magnesium	**2.9**	mg/L	0.10	1	02/21/25 01:00	02/21/25 13:32	7439-95-4	
Potassium	ND	mg/L	5.0	1	02/21/25 01:00	02/21/25 13:32	7440-09-7	
Sodium	ND	mg/L	5.0	1	02/21/25 01:00	02/21/25 13:32	7440-23-5	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Cobalt	**0.0011**	mg/L	0.0010	1	03/05/25 02:05	03/05/25 21:14	7440-48-4	
Molybdenum	ND	mg/L	0.0010	1	03/05/25 02:05	03/05/25 21:14	7439-98-7	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**35.1**	mg/L	5.0	1		02/24/25 22:34		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1		02/24/25 22:34		
Alkalinity, Total as CaCO3	**35.1**	mg/L	5.0	1		02/24/25 22:34		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville							
Total Dissolved Solids	**82.0**	mg/L	25.0	1		02/22/25 12:40		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**2.9**	mg/L	1.0	1		02/20/25 00:40	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/25 00:40	16984-48-8	
Sulfate	**4.4**	mg/L	1.0	1		02/20/25 00:40	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780429

QC Batch: 917648
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780429001

METHOD BLANK: 4716427 Matrix: Water
Associated Lab Samples: 92780429001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron	mg/L	ND	0.050	02/21/25 13:01	
Calcium	mg/L	ND	0.10	02/21/25 13:01	
Magnesium	mg/L	ND	0.10	02/21/25 13:01	
Potassium	mg/L	ND	5.0	02/21/25 13:01	
Sodium	mg/L	ND	5.0	02/21/25 13:01	

LABORATORY CONTROL SAMPLE: 4716428

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	0.5	0.50	100	80-120	
Calcium	mg/L	5	4.9	99	80-120	
Magnesium	mg/L	5	4.8	96	80-120	
Potassium	mg/L	5	4.9J	97	80-120	
Sodium	mg/L	5	ND	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4716429 4716430

Parameter	Units	92780426001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	ND	0.5	0.5	0.55	0.55	105	106	75-125	0	20	
Calcium	mg/L	6.6	5	5	11.7	11.5	100	97	75-125	1	20	
Magnesium	mg/L	1.6	5	5	6.8	6.8	103	103	75-125	0	20	
Potassium	mg/L	ND	5	5	6.2	6.1	104	103	75-125	1	20	
Sodium	mg/L	ND	5	5	6.5	6.4	104	103	75-125	1	20	

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QUALITY CONTROL DATA

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780429

QC Batch: 920025
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780429001

METHOD BLANK: 4727577 Matrix: Water
Associated Lab Samples: 92780429001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cobalt	mg/L	ND	0.0010	03/05/25 20:36	
Molybdenum	mg/L	ND	0.0010	03/05/25 20:36	

LABORATORY CONTROL SAMPLE: 4727578

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cobalt	mg/L	0.05	0.051	101	80-120	
Molybdenum	mg/L	0.05	0.051	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4727579 4727580

Parameter	Units	92780426001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	mg/L	ND	0.05	0.05	0.052	0.049	103	98	75-125	5	20	
Molybdenum	mg/L	ND	0.05	0.05	0.050	0.050	99	100	75-125	1	20	

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(770)734-4200

QUALITY CONTROL DATA

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780429

QC Batch: 918109
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780429001

METHOD BLANK: 4718509 Matrix: Water
Associated Lab Samples: 92780429001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	02/24/25 19:40	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	02/24/25 19:40	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	02/24/25 19:40	

LABORATORY CONTROL SAMPLE: 4718510

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.6	101	80-120	

LABORATORY CONTROL SAMPLE: 4718511

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4718512 4718513

Parameter	Units	92779769001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	75.8	50	50	124	123	96	95	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4718514 4718515

Parameter	Units	92779769002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	65.5	50	50	114	114	96	97	80-120	0	25	

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Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780429

QC Batch: 917868
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780429001

METHOD BLANK: 4717701 Matrix: Water
Associated Lab Samples: 92780429001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	02/22/25 12:38	

LABORATORY CONTROL SAMPLE: 4717702

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	248	99	90-110	

SAMPLE DUPLICATE: 4717703

Parameter	Units	92780908011 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	73.0	69.0	6	25	

SAMPLE DUPLICATE: 4717704

Parameter	Units	92780424002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	52.0	50.0	4	25	

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Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780429

QC Batch: 917316
QC Batch Method: EPA 9056A
Analysis Method: EPA 9056A
Analysis Description: 9056 IC anions 28 Days
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92780429001

METHOD BLANK: 4714729 Matrix: Water
Associated Lab Samples: 92780429001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	02/19/25 21:33	
Fluoride	mg/L	ND	0.10	02/19/25 21:33	
Sulfate	mg/L	ND	1.0	02/19/25 21:33	

LABORATORY CONTROL SAMPLE: 4714730

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.4	99	90-110	
Fluoride	mg/L	2.5	2.4	95	90-110	
Sulfate	mg/L	50	47.2	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4714731 4714732

Parameter	Units	92780426001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	50	50	52.5	53.6	103	105	90-110	2	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	98	100	90-110	2	10	
Sulfate	mg/L	5.9	50	50	55.2	56.4	99	101	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4714733 4714734

Parameter	Units	92780627003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	58.7	50	50	93.8	97.3	70	77	90-110	4	10	M1
Fluoride	mg/L	0.14	2.5	2.5	2.6	2.8	99	105	90-110	6	10	
Sulfate	mg/L	250	50	50	288	292	76	83	90-110	1	10	M1

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110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALIFIERS

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780429

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

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110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Hammond-CCR Ash Pond
Pace Project No.: 92780429

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92780429001	**HAM-H+0.25**	EPA 3010A	917648	EPA 6010D	917660
92780429001	**HAM-H+0.25**	EPA 3010A	920025	EPA 6020B	920046
92780429001	**HAM-H+0.25**	SM 2320B-2011	918109		
92780429001	**HAM-H+0.25**	SM 2540C-2015	917868		
92780429001	**HAM-H+0.25**	EPA 9056A	917316		

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Pace® Location Requested (City/State):
Pace Analytical Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 92780429

92780429

Company Name:	ARCADIS US, Inc. - Atlanta	Contact/Report To:	Priya Jacob
Street Address:	2839 Paces Ferry Rd STE 900 Atlanta, GA 30339	Phone #:	(618)790-6528
		E-Mail:	priya.jacob@arcadis.com
		Cc E-Mail:	Arcadis-Atl + GA Power Distribution List
Customer Project #:		Invoice To:	Accounts Payable
Project Name:	Plant Hammond/CCR-Ash Pond Closure	Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	AP-1/AP-2	Purchase Order # (if applicable):	GPC82474-0001
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other _____

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: 5 Day TAT

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	App. IV Metals - Co, Mo only	App. III Metals - B, Ca	Metals - K, Mg, Na	Alkalinity (Total/Bicarb), Cl, F, SO4	TDS						Sample Comment	Preservation non-conformance identified for sample:
HAM-H+0.25	WS	G	2/17/25	1112			3			X	X	X	X	X	X						

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Maiya Parks

AcctNum / Client ID:

Table #:

Profile / Template: 12590

Prelog / Bottle Ord. ID: EZ 3227736

Additional Instructions from Pace®:
HAM-CSURF-ASSMT-2025S1

Collected By:
(Printed Name) Garrett G
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C) Corrected Temp. (°C) On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Arcadis	2/18/25 1546		2/18/25 1546	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Arcadis

Project #:

WO#: 92780429

PM: MP Due Date: 02/26/25

CLIENT: GA-ArcadAtl

Courier: ☐ Commercial ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Pace ☐ Other:____

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 2/18/25 MW

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 214

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 4.6 Correction Factor: Add/Subtract (°C) 0

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C): 4.6

USDA Regulated Soil (☐ N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

WO#: 92780429

PM: MP Due Date: 02/26/25

CLIENT: GA-ArcadAtl

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

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

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

***Check all unpreserved Nitrates for chlorine

Proje

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Client Arcadis Profile/EZ (Circle one) 322773 6 Notes

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

pH Adjustment Log for Preserved Samples

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

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

AUGUST 2025

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

September 10, 2025

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on August 06, 2025. 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 National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - West Columbia

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

Sincerely,

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

Enclosures

cc: Kip Gray, Geosyntec
Christine Hug, Geosyntec Consultants, Inc.
Thomas Kessler, Geosyntec Consultants
Whitney Law, Geosyntec Consultants
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec Consultants, Inc
Jamie Newsome, Geosyntec Consultants
Amanda Tomlinson, Geosyntec Consultants
Zain Webb, Geosyntec Consultants

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services West Columbia

106 Vantage Point Drive, West Columbia, SC 29172
Alaska Dept. of Energy Conservation, Cert# 20-002
California ELAP, cert# 3049
DoD, DoD QSM V5.4, cert# I.2224
DOE, DoD/DOE QSM V5.4, cert# I.2224.01
Florida, Dept. of Health, cert# E87653-70
Georgia, Env. Protection Division, cert# E87653
Illinois, EPA NELAP, cert# 2000552024-9
Kansas, Dept. of Health and Environment, cert# E-10417
Kentucky, Dept. for Env. Protection, UST, cert# 103582
Kentucky, Dept. for Env. Protection, cert# 98037
Louisiana, Dept. of Environmental Quality, cert# 5125
North Carolina, DEQ, Water Resources, cert# 329
New Jersey, Dept. of Env. Protection, cert# NLC 240005
Oklahoma, Dept. of Env. Quality, cert# 2023-175
Oregon, ELAP, cert# 4181-006
Pennsylvania, Dept. of Env. Protection, cert# 003
South Carolina, Dept. of Env. Services, cert# 32010001
Texas, Commission on Env. Quality, cert# TX-C24-00083
Virginia, Dept. of General Services, cert# 13080
Wisconsin, Dept. of Natural Resources, cert# 399136100

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

SAMPLE SUMMARY

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92811471001	**HAM-HGWA-1**	Water	08/05/25 13:49	08/06/25 15:50
92811471002	**HAM-HGWA-2**	Water	08/05/25 12:50	08/06/25 15:50
92811471003	**HAM-HGWA-3**	Water	08/05/25 13:55	08/06/25 15:50
92811471004	**HAM-HGWA-43D**	Water	08/05/25 12:09	08/06/25 15:50
92811471005	**HAM-HGWA-44D**	Water	08/05/25 10:35	08/06/25 15:50
92811471006	**HAM-UGRD-FD-01**	Water	08/05/25 00:00	08/06/25 15:50
92811471007	**HAM-UGRD-EB-01**	Water	08/05/25 16:55	08/06/25 15:50
92811471008	**HAM-UGRD-FB-01**	Water	08/05/25 17:05	08/06/25 15:50

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SAMPLE ANALYTE COUNT

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92811471001	**HAM-HGWA-1**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811471002	**HAM-HGWA-2**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811471003	**HAM-HGWA-3**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811471004	**HAM-HGWA-43D**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811471005	**HAM-HGWA-44D**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811471006	**HAM-UGRD-FD-01**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811471007	**HAM-UGRD-EB-01**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811471008	**HAM-UGRD-FB-01**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A

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SAMPLE ANALYTE COUNT

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

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SUMMARY OF DETECTION

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811471001	**HAM-HGWA-1**					
EPA 6020B	Lithium	0.00116J	mg/L	0.00200	08/27/25 17:25	J
SM 2540C-2020	Total Dissolved Solids	416	mg/L	25.0	08/09/25 15:39	
EPA 300.0 Rev 2.1 1993	Chloride	17.2	mg/L	1.0	08/08/25 00:27	
EPA 300.0 Rev 2.1 1993	Fluoride	0.055J	mg/L	0.10	08/08/25 00:27	M1,R1
EPA 300.0 Rev 2.1 1993	Sulfate	57.6	mg/L	1.0	08/08/25 00:27	M1
EPA 6020B	Barium	0.033	mg/L	0.0050	08/13/25 20:01	
EPA 6020B	Boron	0.019J	mg/L	0.040	08/13/25 20:01	
EPA 6020B	Calcium	113	mg/L	2.0	08/14/25 05:00	
92811471002	**HAM-HGWA-2**					
EPA 6020B	Lithium	0.00260	mg/L	0.00200	08/27/25 17:29	
SM 2540C-2020	Total Dissolved Solids	160	mg/L	25.0	08/09/25 15:39	
EPA 300.0 Rev 2.1 1993	Chloride	9.6	mg/L	1.0	08/08/25 01:41	
EPA 300.0 Rev 2.1 1993	Sulfate	74.0	mg/L	1.0	08/08/25 01:41	
EPA 6020B	Barium	0.053	mg/L	0.0050	08/13/25 20:10	
EPA 6020B	Beryllium	0.00026J	mg/L	0.00040	08/13/25 20:10	
EPA 6020B	Boron	0.044	mg/L	0.040	08/13/25 20:10	
EPA 6020B	Cadmium	0.00022J	mg/L	0.00050	08/13/25 20:10	
EPA 6020B	Calcium	24.1	mg/L	0.40	08/13/25 20:10	
EPA 6020B	Cobalt	0.030	mg/L	0.0050	08/13/25 20:10	
92811471003	**HAM-HGWA-3**					
EPA 6020B	Lithium	0.00374	mg/L	0.00200	08/27/25 17:32	
SM 2540C-2020	Total Dissolved Solids	265	mg/L	25.0	08/09/25 15:39	
EPA 300.0 Rev 2.1 1993	Chloride	5.5	mg/L	1.0	08/08/25 01:56	
EPA 300.0 Rev 2.1 1993	Sulfate	24.9	mg/L	1.0	08/08/25 01:56	
EPA 6020B	Barium	0.11	mg/L	0.0050	08/13/25 20:19	
EPA 6020B	Boron	0.0090J	mg/L	0.040	08/13/25 20:19	
EPA 6020B	Calcium	72.6	mg/L	2.0	08/14/25 05:09	
EPA 6020B	Lead	0.00030J	mg/L	0.0010	08/13/25 20:19	
92811471004	**HAM-HGWA-43D**					
EPA 6020B	Lithium	0.00308	mg/L	0.00200	08/27/25 17:35	
SM 2540C-2020	Total Dissolved Solids	282	mg/L	25.0	08/09/25 15:41	
EPA 300.0 Rev 2.1 1993	Chloride	4.0	mg/L	1.0	08/08/25 02:11	
EPA 300.0 Rev 2.1 1993	Fluoride	0.16	mg/L	0.10	08/08/25 02:11	
EPA 300.0 Rev 2.1 1993	Sulfate	22.4	mg/L	1.0	08/08/25 02:11	
EPA 6020B	Barium	0.27	mg/L	0.025	08/14/25 05:19	
EPA 6020B	Boron	0.039J	mg/L	0.040	08/13/25 20:29	
EPA 6020B	Calcium	55.2	mg/L	2.0	08/14/25 05:19	
92811471005	**HAM-HGWA-44D**					
EPA 6020B	Lithium	0.104	mg/L	0.00200	08/27/25 17:38	
SM 2540C-2020	Total Dissolved Solids	370	mg/L	25.0	08/09/25 15:41	
EPA 300.0 Rev 2.1 1993	Chloride	29.7	mg/L	1.0	08/08/25 02:26	
EPA 300.0 Rev 2.1 1993	Fluoride	0.87	mg/L	0.10	08/08/25 02:26	
EPA 300.0 Rev 2.1 1993	Sulfate	0.85J	mg/L	1.0	08/08/25 02:26	
EPA 6020B	Barium	0.092	mg/L	0.0050	08/13/25 20:38	
EPA 6020B	Boron	0.45	mg/L	0.20	08/14/25 05:28	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811471005	**HAM-HGWA-44D**					
EPA 6020B	Calcium	6.0	mg/L	0.40	08/13/25 20:38	
92811471006	**HAM-UGRD-FD-01**					
EPA 6020B	Lithium	0.103	mg/L	0.00200	08/27/25 17:41	
SM 2540C-2020	Total Dissolved Solids	369	mg/L	25.0	08/09/25 15:41	
EPA 300.0 Rev 2.1 1993	Chloride	29.7	mg/L	1.0	08/08/25 02:41	
EPA 300.0 Rev 2.1 1993	Fluoride	0.84	mg/L	0.10	08/08/25 02:41	
EPA 300.0 Rev 2.1 1993	Sulfate	0.84J	mg/L	1.0	08/08/25 02:41	
EPA 6020B	Barium	0.10	mg/L	0.0050	08/13/25 20:47	
EPA 6020B	Boron	0.44	mg/L	0.20	08/14/25 05:37	
EPA 6020B	Calcium	6.4	mg/L	0.40	08/13/25 20:47	

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ANALYTICAL RESULTS

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Sample: HAM-HGWA-1 **Lab ID: 92811471001** Collected: 08/05/25 13:49 Received: 08/06/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00116J**	mg/L	0.00200	0.000600	1	08/13/25 12:05	08/27/25 17:25	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**416**	mg/L	25.0	25.0	1		08/09/25 15:39		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**17.2**	mg/L	1.0	0.60	1		08/08/25 00:27	16887-00-6	
Fluoride	**0.055J**	mg/L	0.10	0.050	1		08/08/25 00:27	16984-48-8	M1,R1
Sulfate	**57.6**	mg/L	1.0	0.50	1		08/08/25 00:27	14808-79-8	M1
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/13/25 20:01	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/13/25 20:01	7440-38-2	
Barium	**0.033**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:01	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/13/25 20:01	7440-41-7	
Boron	**0.019J**	mg/L	0.040	0.0062	1	08/11/25 20:04	08/13/25 20:01	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/13/25 20:01	7440-43-9	
Calcium	**113**	mg/L	2.0	0.50	5	08/11/25 20:04	08/14/25 05:00	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:01	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:01	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/13/25 20:01	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/13/25 20:01	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:01	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/13/25 20:01	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/08/25 19:02	08/12/25 12:24	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Sample: HAM-HGWA-2 **Lab ID: 92811471002** Collected: 08/05/25 12:50 Received: 08/06/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00260**	mg/L	0.00200	0.000600	1	08/13/25 12:05	08/27/25 17:29	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**160**	mg/L	25.0	25.0	1		08/09/25 15:39		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**9.6**	mg/L	1.0	0.60	1		08/08/25 01:41	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/08/25 01:41	16984-48-8	
Sulfate	**74.0**	mg/L	1.0	0.50	1		08/08/25 01:41	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/13/25 20:10	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/13/25 20:10	7440-38-2	
Barium	**0.053**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:10	7440-39-3	
Beryllium	**0.00026J**	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/13/25 20:10	7440-41-7	
Boron	**0.044**	mg/L	0.040	0.0062	1	08/11/25 20:04	08/13/25 20:10	7440-42-8	
Cadmium	**0.00022J**	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/13/25 20:10	7440-43-9	
Calcium	**24.1**	mg/L	0.40	0.10	1	08/11/25 20:04	08/13/25 20:10	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:10	7440-47-3	
Cobalt	**0.030**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:10	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/13/25 20:10	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/13/25 20:10	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:10	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/13/25 20:10	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/08/25 19:02	08/12/25 12:27	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Sample: HAM-HGWA-3 **Lab ID: 92811471003** Collected: 08/05/25 13:55 Received: 08/06/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00374**	mg/L	0.00200	0.000600	1	08/13/25 12:05	08/27/25 17:32	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**265**	mg/L	25.0	25.0	1		08/09/25 15:39		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**5.5**	mg/L	1.0	0.60	1		08/08/25 01:56	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/08/25 01:56	16984-48-8	
Sulfate	**24.9**	mg/L	1.0	0.50	1		08/08/25 01:56	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/13/25 20:19	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/13/25 20:19	7440-38-2	
Barium	**0.11**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:19	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/13/25 20:19	7440-41-7	
Boron	**0.0090J**	mg/L	0.040	0.0062	1	08/11/25 20:04	08/13/25 20:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/13/25 20:19	7440-43-9	
Calcium	**72.6**	mg/L	2.0	0.50	5	08/11/25 20:04	08/14/25 05:09	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:19	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:19	7440-48-4	
Lead	**0.00030J**	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/13/25 20:19	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/13/25 20:19	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:19	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/13/25 20:19	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/08/25 19:02	08/12/25 12:29	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Sample: HAM-HGWA-43D **Lab ID: 92811471004** Collected: 08/05/25 12:09 Received: 08/06/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00308**	mg/L	0.00200	0.000600	1	08/13/25 12:05	08/27/25 17:35	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**282**	mg/L	25.0	25.0	1		08/09/25 15:41		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**4.0**	mg/L	1.0	0.60	1		08/08/25 02:11	16887-00-6	
Fluoride	**0.16**	mg/L	0.10	0.050	1		08/08/25 02:11	16984-48-8	
Sulfate	**22.4**	mg/L	1.0	0.50	1		08/08/25 02:11	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/13/25 20:29	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/13/25 20:29	7440-38-2	
Barium	**0.27**	mg/L	0.025	0.0062	5	08/11/25 20:04	08/14/25 05:19	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/13/25 20:29	7440-41-7	
Boron	**0.039J**	mg/L	0.040	0.0062	1	08/11/25 20:04	08/13/25 20:29	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/13/25 20:29	7440-43-9	
Calcium	**55.2**	mg/L	2.0	0.50	5	08/11/25 20:04	08/14/25 05:19	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:29	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:29	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/13/25 20:29	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/13/25 20:29	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:29	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/13/25 20:29	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/08/25 19:02	08/12/25 12:32	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Sample: HAM-HGWA-44D **Lab ID: 92811471005** Collected: 08/05/25 10:35 Received: 08/06/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.104**	mg/L	0.00200	0.000600	1	08/13/25 12:05	08/27/25 17:38	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**370**	mg/L	25.0	25.0	1		08/09/25 15:41		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**29.7**	mg/L	1.0	0.60	1		08/08/25 02:26	16887-00-6	
Fluoride	**0.87**	mg/L	0.10	0.050	1		08/08/25 02:26	16984-48-8	
Sulfate	**0.85J**	mg/L	1.0	0.50	1		08/08/25 02:26	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/13/25 20:38	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/13/25 20:38	7440-38-2	
Barium	**0.092**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:38	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/13/25 20:38	7440-41-7	
Boron	**0.45**	mg/L	0.20	0.031	5	08/11/25 20:04	08/14/25 05:28	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/13/25 20:38	7440-43-9	
Calcium	**6.0**	mg/L	0.40	0.10	1	08/11/25 20:04	08/13/25 20:38	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:38	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:38	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/13/25 20:38	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/13/25 20:38	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:38	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/13/25 20:38	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/08/25 19:02	08/12/25 12:34	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Sample: HAM-UGRD-FD-01 **Lab ID: 92811471006** Collected: 08/05/25 00:00 Received: 08/06/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.103**	mg/L	0.00200	0.000600	1	08/13/25 12:05	08/27/25 17:41	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**369**	mg/L	25.0	25.0	1		08/09/25 15:41		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**29.7**	mg/L	1.0	0.60	1		08/08/25 02:41	16887-00-6	
Fluoride	**0.84**	mg/L	0.10	0.050	1		08/08/25 02:41	16984-48-8	
Sulfate	**0.84J**	mg/L	1.0	0.50	1		08/08/25 02:41	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/13/25 20:47	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/13/25 20:47	7440-38-2	
Barium	**0.10**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:47	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/13/25 20:47	7440-41-7	
Boron	**0.44**	mg/L	0.20	0.031	5	08/11/25 20:04	08/14/25 05:37	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/13/25 20:47	7440-43-9	
Calcium	**6.4**	mg/L	0.40	0.10	1	08/11/25 20:04	08/13/25 20:47	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:47	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:47	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/13/25 20:47	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/13/25 20:47	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:47	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/13/25 20:47	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/08/25 19:02	08/12/25 12:37	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Sample: HAM-UGRD-EB-01 **Lab ID: 92811471007** Collected: 08/05/25 16:55 Received: 08/06/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/13/25 12:05	08/27/25 17:44	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/09/25 15:41		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/07/25 22:43	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/07/25 22:43	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/07/25 22:43	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/13/25 20:57	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/13/25 20:57	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:57	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/13/25 20:57	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	08/11/25 20:04	08/13/25 20:57	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/13/25 20:57	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	08/11/25 20:04	08/13/25 20:57	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:57	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:57	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/13/25 20:57	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/13/25 20:57	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 20:57	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/13/25 20:57	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/08/25 19:02	08/12/25 12:39	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Sample: HAM-UGRD-FB-01 **Lab ID: 92811471008** Collected: 08/05/25 17:05 Received: 08/06/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/13/25 12:05	08/27/25 17:48	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/09/25 15:41		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/07/25 22:58	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/07/25 22:58	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/07/25 22:58	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/13/25 21:06	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/13/25 21:06	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 21:06	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/13/25 21:06	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	08/11/25 20:04	08/13/25 21:06	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/13/25 21:06	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	08/11/25 20:04	08/13/25 21:06	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 21:06	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 21:06	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/13/25 21:06	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/13/25 21:06	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/13/25 21:06	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/13/25 21:06	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/08/25 19:02	08/12/25 12:47	7439-97-6	

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QUALITY CONTROL DATA

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

QC Batch: 2577199
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92811471001, 92811471002, 92811471003, 92811471004, 92811471005, 92811471006, 92811471007, 92811471008

METHOD BLANK: R4265034-1 Matrix: Water
Associated Lab Samples: 92811471001, 92811471002, 92811471003, 92811471004, 92811471005, 92811471006, 92811471007, 92811471008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	08/27/25 16:50	

LABORATORY CONTROL SAMPLE: R4265034-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0505	101	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4265034-4 R4265034-5

Parameter	Units	L1886456-09 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.0454	0.0500	0.0500	0.0927	0.0940	94.6	97.2	75.0-125	1.40	20	

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QUALITY CONTROL DATA

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

QC Batch: 952983
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92811471001, 92811471002, 92811471003, 92811471004, 92811471005, 92811471006, 92811471007, 92811471008

METHOD BLANK: 4897634 Matrix: Water
Associated Lab Samples: 92811471001, 92811471002, 92811471003, 92811471004, 92811471005, 92811471006, 92811471007, 92811471008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/09/25 15:36	

LABORATORY CONTROL SAMPLE: 4897635

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	250	100	90-110	

SAMPLE DUPLICATE: 4897636

Parameter	Units	92811210013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	682	760	11	25	

SAMPLE DUPLICATE: 4897637

Parameter	Units	92811438001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	75.0	79.0	5	25	

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QUALITY CONTROL DATA

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

QC Batch: 952679
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92811471001, 92811471002, 92811471003, 92811471004, 92811471005, 92811471006, 92811471007, 92811471008

METHOD BLANK: 4895956 Matrix: Water
Associated Lab Samples: 92811471001, 92811471002, 92811471003, 92811471004, 92811471005, 92811471006, 92811471007, 92811471008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/07/25 19:44	
Fluoride	mg/L	ND	0.10	0.050	08/07/25 19:44	
Sulfate	mg/L	ND	1.0	0.50	08/07/25 19:44	

LABORATORY CONTROL SAMPLE: 4895957

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.7	101	90-110	
Fluoride	mg/L	2.5	2.6	105	90-110	
Sulfate	mg/L	50	50.5	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4895958 4895959

Parameter	Units	92811534002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	10.1	50	50	57.7	62.2	95	104	90-110	7	10	
Fluoride	mg/L	ND	2.5	2.5	2.3	2.5	90	100	90-110	10	10	
Sulfate	mg/L	2.8	50	50	49.8	54.3	94	103	90-110	9	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4895960 4895961

Parameter	Units	92811471001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	17.2	50	50	66.9	71.3	99	108	90-110	6	10	
Fluoride	mg/L	0.055J	2.5	2.5	4.1	2.6	162	103	90-110	44	10	M1,R1
Sulfate	mg/L	57.6	50	50	96.7	100	78	86	90-110	4	10	M1

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REPORT OF LABORATORY ANALYSIS

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(704)875-9092

QUALITY CONTROL DATA

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

QC Batch: 952854
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92811471001, 92811471002, 92811471003, 92811471004, 92811471005, 92811471006, 92811471007, 92811471008

METHOD BLANK: 4896691 Matrix: Water
Associated Lab Samples: 92811471001, 92811471002, 92811471003, 92811471004, 92811471005, 92811471006, 92811471007, 92811471008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	08/13/25 19:42	
Arsenic	mg/L	ND	0.0020	0.0012	08/13/25 19:42	
Barium	mg/L	ND	0.0050	0.0012	08/13/25 19:42	
Beryllium	mg/L	ND	0.00040	0.00015	08/13/25 19:42	
Boron	mg/L	ND	0.040	0.0062	08/13/25 19:42	
Cadmium	mg/L	ND	0.00050	0.00012	08/13/25 19:42	
Calcium	mg/L	ND	0.40	0.10	08/13/25 19:42	
Chromium	mg/L	ND	0.0050	0.0012	08/13/25 19:42	
Cobalt	mg/L	ND	0.0050	0.0012	08/13/25 19:42	
Lead	mg/L	ND	0.0010	0.00025	08/13/25 19:42	
Molybdenum	mg/L	ND	0.010	0.0025	08/13/25 19:42	
Selenium	mg/L	ND	0.0050	0.0012	08/13/25 19:42	
Thallium	mg/L	ND	0.00050	0.00015	08/13/25 19:42	

LABORATORY CONTROL SAMPLE: 4896692

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.095	95	80-120	
Arsenic	mg/L	0.1	0.091	91	80-120	
Barium	mg/L	0.1	0.097	97	80-120	
Beryllium	mg/L	0.1	0.094	94	80-120	
Boron	mg/L	0.1	0.10	100	80-120	
Cadmium	mg/L	0.1	0.095	95	80-120	
Calcium	mg/L	1	1.0	104	80-120	
Chromium	mg/L	0.1	0.10	102	80-120	
Cobalt	mg/L	0.1	0.11	106	80-120	
Lead	mg/L	0.1	0.099	99	80-120	
Molybdenum	mg/L	0.1	0.10	101	80-120	
Selenium	mg/L	0.1	0.093	93	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4896693 4896694

Parameter	Units	92811484002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.093	0.092	93	92	75-125	0	20	

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QUALITY CONTROL DATA

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4896693 4896694

Parameter	Units	92811484002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	ND	0.1	0.1	0.096	0.095	96	95	75-125	1	20	
Barium	mg/L	0.044	0.1	0.1	0.14	0.14	93	91	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.095	0.095	95	95	75-125	1	20	
Boron	mg/L	0.014J	0.1	0.1	0.11	0.11	98	96	75-125	1	20	
Cadmium	mg/L	ND	0.1	0.1	0.092	0.092	92	92	75-125	0	20	
Calcium	mg/L	27.6	1	1	27.2	27.4	-45	-18	75-125	1	20	
Chromium	mg/L	ND	0.1	0.1	0.096	0.095	96	95	75-125	1	20	
Cobalt	mg/L	ND	0.1	0.1	0.10	0.098	99	98	75-125	1	20	
Lead	mg/L	ND	0.1	0.1	0.094	0.093	94	93	75-125	1	20	
Molybdenum	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20	
Selenium	mg/L	ND	0.1	0.1	0.11	0.10	106	105	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.094	0.093	94	93	75-125	1	20	

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QUALITY CONTROL DATA

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

QC Batch: 952849
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92811471001, 92811471002, 92811471003, 92811471004, 92811471005, 92811471006, 92811471007, 92811471008

METHOD BLANK: 4896661 Matrix: Water
Associated Lab Samples: 92811471001, 92811471002, 92811471003, 92811471004, 92811471005, 92811471006, 92811471007, 92811471008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	08/12/25 11:42	

LABORATORY CONTROL SAMPLE: 4896662

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0020	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4896663 4896664

Parameter	Units	92811149010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.002	0.002	0.0021	0.0021	104	105	80-120	1	20	

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QUALIFIERS

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 92817686

[1]	GEOSYNTEC
[2]	DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

ANALYTE QUALIFIERS

J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Hammond-Upgradient
Pace Project No.: 92817686

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92811471001	**HAM-HGWA-1**	3015	2577199	EPA 6020B	2577199
92811471002	**HAM-HGWA-2**	3015	2577199	EPA 6020B	2577199
92811471003	**HAM-HGWA-3**	3015	2577199	EPA 6020B	2577199
92811471004	**HAM-HGWA-43D**	3015	2577199	EPA 6020B	2577199
92811471005	**HAM-HGWA-44D**	3015	2577199	EPA 6020B	2577199
92811471006	**HAM-UGRD-FD-01**	3015	2577199	EPA 6020B	2577199
92811471007	**HAM-UGRD-EB-01**	3015	2577199	EPA 6020B	2577199
92811471008	**HAM-UGRD-FB-01**	3015	2577199	EPA 6020B	2577199
92811471001	**HAM-HGWA-1**	SM 2540C-2020	952983		
92811471002	**HAM-HGWA-2**	SM 2540C-2020	952983		
92811471003	**HAM-HGWA-3**	SM 2540C-2020	952983		
92811471004	**HAM-HGWA-43D**	SM 2540C-2020	952983		
92811471005	**HAM-HGWA-44D**	SM 2540C-2020	952983		
92811471006	**HAM-UGRD-FD-01**	SM 2540C-2020	952983		
92811471007	**HAM-UGRD-EB-01**	SM 2540C-2020	952983		
92811471008	**HAM-UGRD-FB-01**	SM 2540C-2020	952983		
92811471001	**HAM-HGWA-1**	EPA 300.0 Rev 2.1 1993	952679		
92811471002	**HAM-HGWA-2**	EPA 300.0 Rev 2.1 1993	952679		
92811471003	**HAM-HGWA-3**	EPA 300.0 Rev 2.1 1993	952679		
92811471004	**HAM-HGWA-43D**	EPA 300.0 Rev 2.1 1993	952679		
92811471005	**HAM-HGWA-44D**	EPA 300.0 Rev 2.1 1993	952679		
92811471006	**HAM-UGRD-FD-01**	EPA 300.0 Rev 2.1 1993	952679		
92811471007	**HAM-UGRD-EB-01**	EPA 300.0 Rev 2.1 1993	952679		
92811471008	**HAM-UGRD-FB-01**	EPA 300.0 Rev 2.1 1993	952679		
92811471001	**HAM-HGWA-1**	EPA 3005A	952854	EPA 6020B	954116
92811471002	**HAM-HGWA-2**	EPA 3005A	952854	EPA 6020B	954116
92811471003	**HAM-HGWA-3**	EPA 3005A	952854	EPA 6020B	954116
92811471004	**HAM-HGWA-43D**	EPA 3005A	952854	EPA 6020B	954116
92811471005	**HAM-HGWA-44D**	EPA 3005A	952854	EPA 6020B	954116
92811471006	**HAM-UGRD-FD-01**	EPA 3005A	952854	EPA 6020B	954116
92811471007	**HAM-UGRD-EB-01**	EPA 3005A	952854	EPA 6020B	954116
92811471008	**HAM-UGRD-FB-01**	EPA 3005A	952854	EPA 6020B	954116
92811471001	**HAM-HGWA-1**	EPA 7470A	952849	EPA 7470A	953462
92811471002	**HAM-HGWA-2**	EPA 7470A	952849	EPA 7470A	953462
92811471003	**HAM-HGWA-3**	EPA 7470A	952849	EPA 7470A	953462
92811471004	**HAM-HGWA-43D**	EPA 7470A	952849	EPA 7470A	953462
92811471005	**HAM-HGWA-44D**	EPA 7470A	952849	EPA 7470A	953462
92811471006	**HAM-UGRD-FD-01**	EPA 7470A	952849	EPA 7470A	953462
92811471007	**HAM-UGRD-EB-01**	EPA 7470A	952849	EPA 7470A	953462
92811471008	**HAM-UGRD-FB-01**	EPA 7470A	952849	EPA 7470A	953462

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Pace	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #: **WO# : 92811471**

92811471

Courier: ☐ Commercial ☐ Fed Ex ☑ Pace ☐ UPS ☐ USPS ☐ Other:____ ☐ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 8/6/25 CAH

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.2 Correction Factor: Add/Subtract (°C) 0.0

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

Cooler Temp Corrected (°C): 2.2

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

Items	B9QU-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BPIN	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9H-40 mL Amber HCl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AGOU-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1				2																							
2		1	1				2																							
3		1	1				2																							
4		1	1				2																							
5		1	1				2																							
6		1	1				2																							
7		1	1				2																							
8		1	1				2																							
9					2																									
10					2																									
11					2																									
12					2																									

pH Adjustment Log for Preserved Samples

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

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

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH4)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1					2																									
2					2																									
3					2																									
4					2																									
5																														
6																														
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11																														
12																														

pH Adjustment Log for Preserved Samples

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

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

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 92811471

PM: BV **Due Date: 08/21/25**

CLIENT: 92- GP-HAM

Company Name:	Georgia Power- Hammond	Contact/Report To:	Kristen Jurinko
Street Address:	241 Ralph McGill Blvd NE Bin 10160 Atlanta, GA 30308	Phone #:	470-217-0008
		E-Mail	knjurink@southernco.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Plant Hammond-AP-1/2/3 -2nd SA	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	GPC82474-0011
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-Cl, SO4, F	APP III/IV Metals	RAD 226/228	Sample Comment
HAM-HGWA-1	WG	Grab	TK 8/5/25		8/5/2025	1349	4	TK 8/5/25		X	X	X		Temp = 17 deg C 001
HAM-HGWA-2	WG	Grab			8/5/2025	1250	4			X	X	X		Temp = 19 deg C 002
HAM-HGWA-3	WG	Grab			8/5/2025	1355	4			X	X	X		Temp = 18 deg C 003
HAM-HGWA-43D	WG	Grab			8/5/2025	1209	4			X	X	X		Temp = 18 deg C 004
HAM-HGWA-44D	WG	Grab			8/5/2025	1035	4			X	X	X		Temp = 18 deg C 005
HAM-UGRD-FD-01	WQ	Grab			8/5/2025	0000	4			X	X	X		Temp = 18 deg C 006
HAM-UGRD-EB-01	WQ	Grab			8/5/2025	1655	4			X	X	X		Temp = 18 deg C 007
HAM-UGRD-FB-01	WQ	Grab			8/5/2025	1705	4			X	X	X		Temp = 18 deg C 008
HAM-HGWA-1	WG	Grab			8/5/2025	1349	2						X	Temp = 17 deg C
HAM-HGWA-2	WG	Grab			8/5/2025	1250	2						X	Temp = 19 deg C

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Vang
AcctNum / Client ID:
Table #:
Profile / Template: 16483
Prelog / Bottle Ord. ID: EZ 3283380

Preservation non-conformance identified for sample:

Additional Instructions from Pace®:
Task Code: HAM-CCR-ASSMT-202552

Collected By:
(Printed Name) Jamie Newsome, Thomas Kessler
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature) Terry Williams / Pace	Date/Time: 8/4/2025 1550	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Georgia Power- Hammond	Contact/Report To:	Kristen Jurinko
Street Address:	241 Ralph McGill Blvd NE Bin 10160 Atlanta, GA 30308	Phone #:	470-217-0008
		E-Mail:	knjurink@southernco.com
		Cc E-Mail:	
Customer Project #			
Project Name:	Plant Hammond-AP-1/2/3 -2nd SA	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	GPC82474-0011
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0 Cl, SO4, F	APP III/IV Metals	RAD 226/228	Sample Comment
HAM-HGWA-3	WG	Grab	TK 8/5/25		8/5/2025	1355	2	TK 8/5/2025					X	Temp = 18 deg C
HAM-HGWA-43D	WG	Grab			8/5/2025	1209	2						X	Temp = 18 deg C
HAM-HGWA-44D	WG	Grab			8/5/2025	1035	2						X	Temp = 18 deg C
HAM-UGRD-FD-01	WQ	Grab			8/5/2025	0000	2						X	Temp = 18 deg C
HAM-UGRD-EB-01	WQ	Grab			8/5/2025	1655	2						X	Temp = 18 deg C
HAM-UGRD-FB-01	WQ	Grab			8/5/2025	1705	2						X	Temp = 18 deg C
														last sample

TK 8/5/2025

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Vang
AcctNum / Client ID:
Table #:
Profile / Template: 16483
Prelog / Bottle Ord. ID: EZ 3283380

Preservation non-conformance identified for sample

Additional Instructions from Pace®:

Collected By:
(Printed Name) Jamie Newsome, Thomas Kessler
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
	8/6/2025 1040	Ryan Williams / Pace	8/6/2025 1040	
Ryan Williams / Pace	8/6/2025 1550		8/6/25 1550	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 2 of 2

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORO-0019_v02_110123©

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

September 11, 2025

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on August 06, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

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

Sincerely,

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

Enclosures

cc: Kip Gray, Geosyntec
Christine Hug, Geosyntec Consultants, Inc.
Thomas Kessler, Geosyntec Consultants
Whitney Law, Geosyntec Consultants
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec Consultants, Inc
Jamie Newsome, Geosyntec Consultants
Amanda Tomlinson, Geosyntec Consultants
Zain Webb, Geosyntec Consultants

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

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SAMPLE SUMMARY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92811478001	**HAM-HGWA-1**	Water	08/05/25 13:49	08/06/25 15:50
92811478002	**HAM-HGWA-2**	Water	08/05/25 12:50	08/06/25 15:50
92811478003	**HAM-HGWA-3**	Water	08/05/25 13:55	08/06/25 15:50
92811478004	**HAM-HGWA-43D**	Water	08/05/25 12:09	08/06/25 15:50
92811478005	**HAM-HGWA-44D**	Water	08/05/25 10:35	08/06/25 15:50
92811478006	**HAM-UGRD-FD-01**	Water	08/05/25 00:00	08/06/25 15:50
92811478007	**HAM-UGRD-EB-01**	Water	08/05/25 16:55	08/06/25 15:50
92811478008	**HAM-UGRD-FB-01**	Water	08/05/25 17:05	08/06/25 15:50

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Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92811478001	**HAM-HGWA-1**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92811478002	**HAM-HGWA-2**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92811478003	**HAM-HGWA-3**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92811478004	**HAM-HGWA-43D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92811478005	**HAM-HGWA-44D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92811478006	**HAM-UGRD-FD-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92811478007	**HAM-UGRD-EB-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92811478008	**HAM-UGRD-FB-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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Huntersville, NC 28078
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SUMMARY OF DETECTION

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811478001	**HAM-HGWA-1**					
EPA 9315	Radium-226	0.226U ± 0.287 (0.614) C:84% T:NA	pCi/L		08/26/25 09:52	
EPA 9320	Radium-228	-0.0865U ± 0.391 (0.939) C:59% T:90%	pCi/L		08/22/25 14:37	
Total Radium Calculation	Total Radium	0.226U ± 0.678 (1.55)	pCi/L		08/27/25 15:40	
92811478002	**HAM-HGWA-2**					
EPA 9315	Radium-226	0.0405U ± 0.221 (0.562) C:97% T:NA	pCi/L		08/26/25 09:48	
EPA 9320	Radium-228	0.237U ± 0.430 (0.941) C:61% T:91%	pCi/L		08/22/25 14:37	
Total Radium Calculation	Total Radium	0.278U ± 0.651 (1.50)	pCi/L		08/27/25 15:40	
92811478003	**HAM-HGWA-3**					
EPA 9315	Radium-226	0.101U ± 0.309 (0.737) C:94% T:NA	pCi/L		08/26/25 09:48	
EPA 9320	Radium-228	0.0240U ± 0.427 (0.989) C:65% T:86%	pCi/L		08/22/25 14:38	
Total Radium Calculation	Total Radium	0.125U ± 0.736 (1.73)	pCi/L		08/27/25 15:40	
92811478004	**HAM-HGWA-43D**					
EPA 9315	Radium-226	0.284U ± 0.348 (0.745) C:79% T:NA	pCi/L		08/26/25 09:48	
EPA 9320	Radium-228	0.710U ± 0.433 (0.787) C:70% T:88%	pCi/L		08/22/25 14:38	
Total Radium Calculation	Total Radium	0.994U ± 0.781 (1.53)	pCi/L		08/27/25 15:40	

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SUMMARY OF DETECTION

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811478005	**HAM-HGWA-44D**					
EPA 9315	Radium-226	0.255U ± 0.319 (0.682) C:81% T:NA	pCi/L		08/26/25 09:48	
EPA 9320	Radium-228	-0.0142U ± 0.364 (0.855) C:66% T:92%	pCi/L		08/22/25 14:38	
Total Radium Calculation	Total Radium	0.255U ± 0.683 (1.54)	pCi/L		08/27/25 15:40	
92811478006	**HAM-UGRD-FD-01**					
EPA 9315	Radium-226	0.349U ± 0.297 (0.560) C:85% T:NA	pCi/L		08/26/25 09:57	
EPA 9320	Radium-228	0.213U ± 0.409 (0.899) C:67% T:94%	pCi/L		08/22/25 14:38	
Total Radium Calculation	Total Radium	0.562U ± 0.706 (1.46)	pCi/L		08/27/25 15:40	
92811478007	**HAM-UGRD-EB-01**					
EPA 9315	Radium-226	0.148U ± 0.208 (0.449) C:90% T:NA	pCi/L		08/26/25 09:57	
EPA 9320	Radium-228	0.299U ± 0.428 (0.919) C:68% T:83%	pCi/L		08/22/25 14:38	
Total Radium Calculation	Total Radium	0.447U ± 0.636 (1.37)	pCi/L		08/27/25 15:40	
92811478008	**HAM-UGRD-FB-01**					
EPA 9315	Radium-226	-0.121U ± 0.220 (0.627) C:81% T:NA	pCi/L		08/27/25 08:13	
EPA 9320	Radium-228	-0.0925U ± 0.343 (0.824) C:75% T:88%	pCi/L		08/22/25 14:39	
Total Radium Calculation	Total Radium	0.000U ± 0.563 (1.45)	pCi/L		08/27/25 15:40	

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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Sample: HAM-HGWA-1 **Lab ID: 92811478001** Collected: 08/05/25 13:49 Received: 08/06/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.226U ± 0.287 (0.614) C:84% T:NA**	pCi/L	08/26/25 09:52	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**-0.0865U ± 0.391 (0.939) C:59% T:90%**	pCi/L	08/22/25 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.226U ± 0.678 (1.55)**	pCi/L	08/27/25 15:40	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Sample: HAM-HGWA-2 **Lab ID: 92811478002** Collected: 08/05/25 12:50 Received: 08/06/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0405U ± 0.221 (0.562) C:97% T:NA**	pCi/L	08/26/25 09:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.237U ± 0.430 (0.941) C:61% T:91%**	pCi/L	08/22/25 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.278U ± 0.651 (1.50)**	pCi/L	08/27/25 15:40	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Sample: HAM-HGWA-3 **Lab ID: 92811478003** Collected: 08/05/25 13:55 Received: 08/06/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.101U ± 0.309 (0.737) C:94% T:NA**	pCi/L	08/26/25 09:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.0240U ± 0.427 (0.989) C:65% T:86%**	pCi/L	08/22/25 14:38	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.125U ± 0.736 (1.73)**	pCi/L	08/27/25 15:40	7440-14-4	

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Sample: HAM-HGWA-43D **Lab ID: 92811478004** Collected: 08/05/25 12:09 Received: 08/06/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.284U ± 0.348 (0.745) C:79% T:NA**	pCi/L	08/26/25 09:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.710U ± 0.433 (0.787) C:70% T:88%**	pCi/L	08/22/25 14:38	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.994U ± 0.781 (1.53)**	pCi/L	08/27/25 15:40	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Sample: HAM-HGWA-44D **Lab ID: 92811478005** Collected: 08/05/25 10:35 Received: 08/06/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.255U ± 0.319 (0.682) C:81% T:NA**	pCi/L	08/26/25 09:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**-0.0142U ± 0.364 (0.855) C:66% T:92%**	pCi/L	08/22/25 14:38	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.255U ± 0.683 (1.54)**	pCi/L	08/27/25 15:40	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Sample: HAM-UGRD-FD-01 **Lab ID: 92811478006** Collected: 08/05/25 00:00 Received: 08/06/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.349U ± 0.297 (0.560) C:85% T:NA**	pCi/L	08/26/25 09:57	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.213U ± 0.409 (0.899) C:67% T:94%**	pCi/L	08/22/25 14:38	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.562U ± 0.706 (1.46)**	pCi/L	08/27/25 15:40	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Sample: HAM-UGRD-EB-01 **Lab ID: 92811478007** Collected: 08/05/25 16:55 Received: 08/06/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.148U ± 0.208 (0.449) C:90% T:NA**	pCi/L	08/26/25 09:57	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.299U ± 0.428 (0.919) C:68% T:83%**	pCi/L	08/22/25 14:38	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.447U ± 0.636 (1.37)**	pCi/L	08/27/25 15:40	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Sample: HAM-UGRD-FB-01 **Lab ID: 92811478008** Collected: 08/05/25 17:05 Received: 08/06/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.121U ± 0.220 (0.627) C:81% T:NA**	pCi/L	08/27/25 08:13	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**-0.0925U ± 0.343 (0.824) C:75% T:88%**	pCi/L	08/22/25 14:39	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.000U ± 0.563 (1.45)**	pCi/L	08/27/25 15:40	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

QC Batch: 764910
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples:

METHOD BLANK: 3728178 Matrix: Water
Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.255 ± 0.335 (0.711) C:73% T:86%	pCi/L	08/28/25 14:47	

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

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

QC Batch: 763825
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92811478001, 92811478002, 92811478003, 92811478004, 92811478005, 92811478006, 92811478007, 92811478008

METHOD BLANK: 3722432 Matrix: Water
Associated Lab Samples: 92811478001, 92811478002, 92811478003, 92811478004, 92811478005, 92811478006, 92811478007, 92811478008

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0834 ± 0.202 (0.480) C:94% T:NA	pCi/L	08/26/25 09:54	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

QC Batch: 763994
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92811478001, 92811478002, 92811478003, 92811478004, 92811478005, 92811478006, 92811478007, 92811478008

METHOD BLANK: 3723177 Matrix: Water
Associated Lab Samples: 92811478001, 92811478002, 92811478003, 92811478004, 92811478005, 92811478006, 92811478007, 92811478008

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.169 ± 0.334 (0.737) C:74% T:89%	pCi/L	08/22/25 14:36	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

QC Batch: 766763
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples:

METHOD BLANK: 3737578 Matrix: Water

Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.315 ± 0.480 (1.04) C:65% T:82%	pCi/L	09/09/25 16:15	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

QC Batch: 764909
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples:

METHOD BLANK: 3728174 Matrix: Water
Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.100 ± 0.242 (0.568) C:74% T:NA	pCi/L	08/28/25 08:22	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

QC Batch: 766761
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples:

METHOD BLANK: 3737577 Matrix: Water
Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0285 ± 0.328 (0.821) C:83% T:NA	pCi/L	09/04/25 08:32	

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QUALIFIERS

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

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

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 92817701

[1] GEOSYNTEC

[2] DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Hammond-Upgradient-RADs
Pace Project No.: 92817701

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92811478001	**HAM-HGWA-1**	EPA 9315	763825		
92811478002	**HAM-HGWA-2**	EPA 9315	763825		
92811478003	**HAM-HGWA-3**	EPA 9315	763825		
92811478004	**HAM-HGWA-43D**	EPA 9315	763825		
92811478005	**HAM-HGWA-44D**	EPA 9315	763825		
92811478006	**HAM-UGRD-FD-01**	EPA 9315	763825		
92811478007	**HAM-UGRD-EB-01**	EPA 9315	763825		
92811478008	**HAM-UGRD-FB-01**	EPA 9315	763825		
92811478001	**HAM-HGWA-1**	EPA 9320	763994		
92811478002	**HAM-HGWA-2**	EPA 9320	763994		
92811478003	**HAM-HGWA-3**	EPA 9320	763994		
92811478004	**HAM-HGWA-43D**	EPA 9320	763994		
92811478005	**HAM-HGWA-44D**	EPA 9320	763994		
92811478006	**HAM-UGRD-FD-01**	EPA 9320	763994		
92811478007	**HAM-UGRD-EB-01**	EPA 9320	763994		
92811478008	**HAM-UGRD-FB-01**	EPA 9320	763994		
92811478001	**HAM-HGWA-1**	Total Radium Calculation	767371		
92811478002	**HAM-HGWA-2**	Total Radium Calculation	767371		
92811478003	**HAM-HGWA-3**	Total Radium Calculation	767371		
92811478004	**HAM-HGWA-43D**	Total Radium Calculation	767371		
92811478005	**HAM-HGWA-44D**	Total Radium Calculation	767371		
92811478006	**HAM-UGRD-FD-01**	Total Radium Calculation	767371		
92811478007	**HAM-UGRD-EB-01**	Total Radium Calculation	767371		
92811478008	**HAM-UGRD-FB-01**	Total Radium Calculation	767371		

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Pace	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #

WO# : 92811478

92811478

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other:

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 8/6/15 (JH)

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.2 Correction Factor: Add/Subtract (°C) 0.0

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

Cooler Temp Corrected (°C): 2.2

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GX (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 ml Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved Vials (N/A)
CC																														
1		1	1				2																							
2		1	1				2																							
3		1	1				2																							
4		1	1				2																							
5		1	1				2																							
6		1	1				2																							
7		1	1				2																							
8		1	1				2																							
9					2																									
10					2																									
11					2																									
12					2																									

pH Adjustment Log for Preserved Samples

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

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

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

Items	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BPIN	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NaHSO4 (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH4)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG8U-40 mL Amber Unpreserved vials (N/A)
CC																														
1					2																									
2					2																									
3					2																									
4					2																									
5																														
6																														
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11																														
12																														

pH Adjustment Log for Preserved Samples

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

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

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain of Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO#: 92811478

PM: BV **Due Date: 08/28/25**

CLIENT: 92- GP-HAM

Company Name:	Georgia Power- Hammond
Street Address:	241 Ralph McGill Blvd NE Bin 10160 Atlanta, GA 30308
Customer Project #:	
Project Name:	Plant Hammond-AP-1/2/3 -2nd SA
Site Collection Info/Facility ID (as applicable):	
Contact/Report To:	Kristen Jurinko
Phone #:	470-217-0008
E-Mail	knjurink@southernco.com
Cc E-Mail:	
Invoice To:	Account Payable
Invoice E-Mail:	georgiapowerinvoices@southernco.com
Purchase Order # (if applicable):	GPC82474-0011
Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-Cl, SO4, F	APP III/IV Metals	RAD 226/228	Sample Comment
HAM-HGWA-1	WG	Grab	TK 8/5/25		8/5/2025	1349	4	TK 8/5/25		X	X	X		Temp = 17 deg C
HAM-HGWA-2	WG	Grab			8/5/2025	1250	4			X	X	X		Temp = 19 deg C
HAM-HGWA-3	WG	Grab			8/5/2025	1355	4			X	X	X		Temp = 18 deg C
HAM-HGWA-43D	WG	Grab			8/5/2025	1209	4			X	X	X		Temp = 18 deg C
HAM-HGWA-44D	WG	Grab			8/5/2025	1035	4			X	X	X		Temp = 18 deg C
HAM-UGRD-FD-01	WQ	Grab			8/5/2025	0000	4			X	X	X		Temp = 18 deg C
HAM-UGRD-EB-01	WQ	Grab			8/5/2025	1655	4			X	X	X		Temp = 18 deg C
HAM-UGRD-FB-01	WQ	Grab			8/5/2025	1705	4			X	X	X		Temp = 18 deg C
HAM-HGWA-1	WG	Grab			8/5/2025	1349	2						X	Temp = 17 deg C 001
HAM-HGWA-2	WG	Grab			8/5/2025	1250	2						X	Temp = 19 deg C 002

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Vang

AcctNum / Client ID:

Table #:

Profile / Template: 16483

Prelog / Bottle Ord. ID: EZ 3283380

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Task Code: HAM-CCR-ASSMT-202552

Collected By:
(Printed Name) Jamie Newsome, Thomas Kessler
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished By/Company: (Signature)	Date/Time:	Received By/Company: (Signature)	Date/Time:	Tracking Number:
Relinquished by/Company: (Signature) Jamie Williams / Pace	9/4/2025 1550	Received by/Company: (Signature)	8/6/2025 1040	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 8/6/25 1550	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 2

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORO-0019_v02_110123 ©

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for Instructions

Company Name:	Georgia Power- Hammond
Street Address:	241 Ralph McGill Blvd NE Bin 10160 Atlanta, GA 30308
Customer Project #:	
Project Name:	Plant Hammond-AP-1/2/3 -2nd SA
Site Collection Info/Facility ID (as applicable):	
Contact/Report To:	Kristen Jurinko
Phone #:	470-217-0008
E-Mail:	knjurink@southernco.com
Cc E-Mail:	
Invoice To:	Account Payable
Invoice E-Mail:	georgiapowerinvoices@southernco.com
Purchase Order # (if applicable):	GPC82474-0011
Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0 Cl, SO4, F	ASP III/IV Metals	RAD 226/228	Sample Comment	Preservation non-conformance identified for sample
HAM-HGWA-3	WG	Grab	TK 8/5/25		8/5/2025	1355	2	TK 8/5/2025					X	Temp = 18 deg C 003	
HAM-HGWA-43D	WG	Grab			8/5/2025	1209	2						X	Temp = 18 deg C 004	
HAM-HGWA-44D	WG	Grab			8/5/2025	1035	2						X	Temp = 18 deg C 005	
HAM-UGRD-FD-01	WQ	Grab			8/5/2025	0000	2						X	Temp = 18 deg C 006	
HAM-UGRD-EB-01	WQ	Grab			8/5/2025	1655	2						X	Temp = 18 deg C 007	
HAM-UGRD-FB-01	WQ	Grab			8/5/2025	1705	2						X	Temp = 18 deg C 008	
														last sample	
						TK 8/5/2025									

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Vang

AcctNum / Client ID:

Table #:

Profile / Template: 16483

Prelog / Bottle Ord. ID: EZ 3283380

Additional Instructions from Pace®:

Collected By:
(Printed Name) Jamie Newsome, Thomas Kessler
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
	8/6/2025 1040	Ryan Williams / Pace	8/6/2025 1040	
Relinquished by/Company: (Signature) Ryan Williams / Pace	Date/Time: 8/6/2025 1550	Received by/Company: (Signature)	Date/Time: 8/6/25 1550	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 2 of 2
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	

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Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-228
Analyst:	VAL
Date:	8/15/2025
Worklist:	86556
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3723177
MB concentration:	0.169
M/B 2 Sigma CSU:	0.334
MB MDC:	0.737
MB Numerical Performance Indicator:	0.99
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86556	LCSD86556
Count Date:	8/22/2025	8/22/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.529	31.529
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.818	0.822
Target Conc. (pCi/L, g, F):	3.856	3.837
Uncertainty (Calculated):	0.189	0.188
Result (pCi/L, g, F):	3.265	2.614
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.792	0.665
Numerical Performance Indicator:	-1.42	-3.47
Percent Recovery:	84.69%	68.13%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS86556	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD86556	
Sample Result (pCi/L, g, F):	3.265	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.792	
Sample Duplicate Result (pCi/L, g, F):	2.614	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.665	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	1.233	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	21.67%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

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

Comments:

8/25/25

Quality Control Sample Performance Assessment

Pace Analytical
www.pacelabs.com

Analyst Must Manually Enter All Fields Highlighted In Yellow.

Test:	Ra-228
Analyst:	VAL
Date:	8/21/2025
Worklist:	86629
Matrix:	WT

Method Blank Assessment	
MB Sample ID	3728178
MB concentration:	0.255
M/B 2 Sigma CSU:	0.335
MB MDC:	0.711
MB Numerical Performance Indicator:	1.49
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86629	**LCSD86629**
Count Date:	8/28/2025	8/28/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.465	31.465
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.823	0.822
Target Conc. (pCi/L, g, F):	3.821	3.828
Uncertainty (Calculated):	0.187	0.188
Result (pCi/L, g, F):	3.002	4.005
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.761	0.937
Numerical Performance Indicator:	-2.05	0.36
Percent Recovery:	78.54%	104.63%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS86629	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD86629	
Sample Result (pCi/L, g, F):	3.002	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.761	
Sample Duplicate Result (pCi/L, g, F):	4.005	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.937	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-1.629	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	28.49%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

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

Comments:

ET 8-29-25

8/29/25

Quality Control Sample Performance Assessment

Pace Analytical™
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Test:	Ra-228
Analyst:	ZPC
Date:	9/2/2025
Worklist:	86785
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3737578
MB concentration:	0.315
M/B 2 Sigma CSU:	0.480
MB MDC:	1.037
MB Numerical Performance Indicator:	1.29
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86785	LCSD86785
Count Date:	9/9/2025	9/9/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.340	31.340
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.817	0.821
Target Conc. (pCi/L, g, F):	3.836	3.815
Uncertainty (Calculated):	0.188	0.187
Result (pCi/L, g, F):	3.868	3.254
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.959	0.852
Numerical Performance Indicator:	0.06	-1.26
Percent Recovery:	100.84%	85.29%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS86785	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD86785	
Sample Result (pCi/L, g, F):	3.868	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.959	
Sample Duplicate Result (pCi/L, g, F):	3.254	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.852	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	0.939	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	16.71%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

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

Comments:

9/10/25

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	8/25/2025
Worklist:	86546
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3722432
MB concentration:	0.083
M/B 2 Sigma CSU:	0.202
MB MDC:	0.480
MB Numerical Performance Indicator:	0.81
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86546	LCSD86546
Count Date:	8/27/2025	8/27/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.009	25.009
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.505	0.507
Target Conc. (pCi/L, g, F):	4.951	4.937
Uncertainty (Calculated):	0.233	0.232
Result (pCi/L, g, F):	3.820	5.418
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.824	1.065
Numerical Performance Indicator:	-2.59	0.86
Percent Recovery:	77.17%	109.73%
Status vs Numerical Indicator:	Warning	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS86546	92810485029
Duplicate Sample I.D.	LCSD86546	92810485029DUP
Sample Result (pCi/L, g, F):	3.820	-0.063
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.824	0.212
Sample Duplicate Result (pCi/L, g, F):	5.418	0.084
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.065	0.202
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-2.325	-0.986
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	34.84%	1372.70%
Duplicate Status vs Numerical Indicator:	Warning	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

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

Comments:

VAM 8/27/25

CT 8-27-25

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	8/25/2025
Worklist:	86628
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3728174
MB concentration:	0.100
M/B 2 Sigma CSU:	0.242
MB MDC:	0.568
MB Numerical Performance Indicator:	0.81
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86628	LCSD86628
Count Date:	8/29/2025	8/29/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.009	25.009
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.509	0.505
Target Conc. (pCi/L, g, F):	4.918	4.948
Uncertainty (Calculated):	0.231	0.233
Result (pCi/L, g, F):	4.845	4.924
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.945	0.946
Numerical Performance Indicator:	-0.15	-0.05
Percent Recovery:	98.52%	99.52%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS86628	92811492017
Duplicate Sample I.D.	LCSD86628	92811492017DUP
Sample Result (pCi/L, g, F):	4.845	-0.060
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.945	0.142
Sample Duplicate Result (pCi/L, g, F):	4.924	0.125
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.946	0.175
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-0.116	-1.603
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	1.02%	566.10%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

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

Comments:

ET 8-29-25

UMM 8/29/25

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	9/3/2025
Worklist:	86784
Matrix:	W

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3737577
MB concentration:	0.028
M/B 2 Sigma CSU:	0.328
MB MDC:	0.821
MB Numerical Performance Indicator:	0.17
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86784	LCSD86784
Count Date:	9/4/2025	9/4/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.009	25.009
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.504	0.507
Target Conc. (pCi/L, g, F):	4.962	4.935
Uncertainty (Calculated):	0.233	0.232
Result (pCi/L, g, F):	4.835	4.973
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.059	1.094
Numerical Performance Indicator:	-0.23	0.07
Percent Recovery:	97.44%	100.77%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS86784	92810485047
Duplicate Sample I.D.	LCSD86784	92810485047DUP
Sample Result (pCi/L, g, F):	4.835	0.248
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.059	0.341
Sample Duplicate Result (pCi/L, g, F):	4.973	0.095
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.094	0.286
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-0.178	0.675
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	3.35%	89.47%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

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

Comments:

VAM 9/4/25

ET 9-4-25

Pace Analytical Services, LLC
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September 02, 2025

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory between August 06, 2025 and August 11, 2025. 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 National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - West Columbia

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

Sincerely,

Bonnie Vang

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

Enclosures

cc: Kip Gray, Geosyntec
Christine Hug, Geosyntec Consultants, Inc.
Thomas Kessler, Geosyntec Consultants
Whitney Law, Geosyntec Consultants
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec Consultants, Inc
Jamie Newsome, Geosyntec Consultants
Amanda Tomlinson, Geosyntec Consultants
Zain Webb, Geosyntec Consultants

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services West Columbia

106 Vantage Point Drive, West Columbia, SC 29172
Alaska Dept. of Energy Conservation, Cert# 20-002
California ELAP, cert# 3049
DoD, DoD QSM V5.4, cert# I.2224
DOE, DoD/DOE QSM V5.4, cert# I.2224.01
Florida, Dept. of Health, cert# E87653-70
Georgia, Env. Protection Division, cert# E87653
Illinois, EPA NELAP, cert# 2000552024-9
Kansas, Dept. of Health and Environment, cert# E-10417
Kentucky, Dept. for Env. Protection, UST, cert# 103582
Kentucky, Dept. for Env. Protection, cert# 98037
Louisiana, Dept. of Environmental Quality, cert# 5125
North Carolina, DEQ, Water Resources, cert# 329
New Jersey, Dept. of Env. Protection, cert# NLC 240005
Oklahoma, Dept. of Env. Quality, cert# 2023-175
Oregon, ELAP, cert# 4181-006
Pennsylvania, Dept. of Env. Protection, cert# 003
South Carolina, Dept. of Env. Services, cert# 32010001
Texas, Commission on Env. Quality, cert# TX-C24-00083
Virginia, Dept. of General Services, cert# 13080
Wisconsin, Dept. of Natural Resources, cert# 399136100

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Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92811484001	**HAM-HGWA-4**	Water	08/05/25 10:12	08/06/25 15:50
92811484002	**HAM-HGWA-5**	Water	08/05/25 11:25	08/06/25 15:50
92811484003	**HAM-HGWA-6**	Water	08/05/25 10:01	08/06/25 15:50
92811484004	**HAM-HGWA-42D**	Water	08/05/25 11:22	08/06/25 15:50
92811484005	**HAM-HGWC-14**	Water	08/08/25 13:15	08/11/25 14:40
92811484006	**HAM-HGWC-15**	Water	08/08/25 11:00	08/11/25 14:40
92811484007	**HAM-HGWC-16**	Water	08/08/25 13:27	08/11/25 14:40
92811484008	**HAM-HGWC-17**	Water	08/08/25 11:55	08/11/25 14:40
92811484009	**HAM-HGWC-18**	Water	08/08/25 09:55	08/11/25 14:40
92811484010	**HAM-MW-21D**	Water	08/08/25 16:05	08/11/25 14:40
92811484011	**HAM-MW-33**	Water	08/08/25 14:45	08/11/25 14:40
92811484012	**HAM-MW-34D**	Water	08/08/25 16:00	08/11/25 14:40
92811484013	**HAM-MW-35**	Water	08/08/25 10:30	08/11/25 14:40
92811484014	**HAM-MW-51**	Water	08/08/25 11:56	08/11/25 14:40
92811484015	**HAM-AP2-FD-01**	Water	08/08/25 00:00	08/11/25 14:40
92811484016	**HAM-AP2-EB-01**	Water	08/08/25 16:10	08/11/25 14:40
92811484017	**HAM-AP2-FB-01**	Water	08/08/25 16:05	08/11/25 14:40

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SAMPLE ANALYTE COUNT

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92811484001	**HAM-HGWA-4**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811484002	**HAM-HGWA-5**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811484003	**HAM-HGWA-6**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811484004	**HAM-HGWA-42D**	EPA 6020B	JPD	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811484005	**HAM-HGWC-14**	EPA 6020B	TMT	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811484006	**HAM-HGWC-15**	EPA 6020B	TMT	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811484007	**HAM-HGWC-16**	EPA 6020B	TMT	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811484008	**HAM-HGWC-17**	EPA 6020B	TMT	1	PAN
		SM 2540C-2020	YEG	1	PASI-A

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SAMPLE ANALYTE COUNT

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811484009	**HAM-HGWC-18**	EPA 6020B	TMT	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811484010	**HAM-MW-21D**	EPA 6020B	TMT	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811484011	**HAM-MW-33**	EPA 6020B	TMT	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811484012	**HAM-MW-34D**	EPA 6020B	TMT	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811484013	**HAM-MW-35**	EPA 6020B	TMT	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811484014	**HAM-MW-51**	EPA 6020B	TMT	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811484015	**HAM-AP2-FD-01**	EPA 6020B	TMT	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC

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SAMPLE ANALYTE COUNT

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7470A	KAJ1	1	PASI-WC
92811484016	**HAM-AP2-EB-01**	EPA 6020B	TMT	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92811484017	**HAM-AP2-FB-01**	EPA 6020B	TMT	1	PAN
		SM 2540C-2020	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

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Huntersville, NC 28078
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SUMMARY OF DETECTION

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811484001	**HAM-HGWA-4**					
EPA 6020B	Lithium	0.000902J	mg/L	0.00200	08/27/25 15:03	J
SM 2540C-2020	Total Dissolved Solids	156	mg/L	25.0	08/09/25 15:41	
EPA 300.0 Rev 2.1 1993	Chloride	1.5	mg/L	1.0	08/08/25 02:56	
EPA 300.0 Rev 2.1 1993	Fluoride	0.12	mg/L	0.10	08/08/25 02:56	
EPA 300.0 Rev 2.1 1993	Sulfate	46.3	mg/L	1.0	08/08/25 02:56	
EPA 6020B	Barium	0.060	mg/L	0.0050	08/14/25 06:14	
EPA 6020B	Boron	0.041	mg/L	0.040	08/14/25 06:14	
EPA 6020B	Calcium	26.7	mg/L	0.40	08/14/25 06:14	
92811484002	**HAM-HGWA-5**					
EPA 6020B	Lithium	0.00366	mg/L	0.00200	08/27/25 14:51	
SM 2540C-2020	Total Dissolved Solids	143	mg/L	25.0	08/09/25 15:46	
EPA 300.0 Rev 2.1 1993	Chloride	1.8	mg/L	1.0	08/08/25 03:11	
EPA 300.0 Rev 2.1 1993	Fluoride	0.054J	mg/L	0.10	08/08/25 03:11	
EPA 300.0 Rev 2.1 1993	Sulfate	19.1	mg/L	1.0	08/08/25 03:11	
EPA 6020B	Barium	0.044	mg/L	0.0050	08/14/25 06:24	
EPA 6020B	Boron	0.014J	mg/L	0.040	08/14/25 06:24	
EPA 6020B	Calcium	27.6	mg/L	0.40	08/14/25 06:24	M1
92811484003	**HAM-HGWA-6**					
EPA 6020B	Lithium	0.0114	mg/L	0.00200	08/27/25 15:07	
SM 2540C-2020	Total Dissolved Solids	237	mg/L	25.0	08/09/25 15:46	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	08/08/25 00:38	
EPA 300.0 Rev 2.1 1993	Fluoride	0.064J	mg/L	0.10	08/08/25 00:38	
EPA 300.0 Rev 2.1 1993	Sulfate	33.4	mg/L	1.0	08/08/25 00:38	
EPA 6020B	Barium	0.18	mg/L	0.0050	08/14/25 07:10	
EPA 6020B	Boron	0.017J	mg/L	0.040	08/14/25 07:10	
EPA 6020B	Calcium	55.5	mg/L	2.0	08/15/25 21:51	
92811484004	**HAM-HGWA-42D**					
EPA 6020B	Lithium	0.0113	mg/L	0.00200	08/27/25 15:10	
SM 2540C-2020	Total Dissolved Solids	182	mg/L	25.0	08/09/25 15:46	
EPA 300.0 Rev 2.1 1993	Chloride	3.1	mg/L	1.0	08/08/25 01:23	
EPA 300.0 Rev 2.1 1993	Fluoride	0.11	mg/L	0.10	08/08/25 01:23	
EPA 300.0 Rev 2.1 1993	Sulfate	10.8	mg/L	1.0	08/08/25 01:23	
EPA 6020B	Barium	0.19	mg/L	0.0050	08/14/25 07:20	
EPA 6020B	Boron	0.050	mg/L	0.040	08/14/25 07:20	
EPA 6020B	Calcium	42.8	mg/L	2.0	08/15/25 22:00	
92811484005	**HAM-HGWC-14**					
EPA 6020B	Lithium	0.000780J	mg/L	0.00200	08/29/25 16:51	J
SM 2540C-2020	Total Dissolved Solids	1350	mg/L	50.0	08/14/25 12:15	
EPA 300.0 Rev 2.1 1993	Chloride	65.1	mg/L	1.0	08/13/25 05:20	
EPA 300.0 Rev 2.1 1993	Fluoride	0.080J	mg/L	0.10	08/13/25 05:20	
EPA 300.0 Rev 2.1 1993	Sulfate	683	mg/L	16.0	08/13/25 14:36	
EPA 6020B	Antimony	0.00052J	mg/L	0.0020	08/25/25 22:06	
EPA 6020B	Barium	0.017	mg/L	0.0050	08/25/25 22:06	
EPA 6020B	Beryllium	0.00039J	mg/L	0.00040	08/25/25 22:06	
EPA 6020B	Boron	6.3	mg/L	1.0	08/27/25 02:59	

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SUMMARY OF DETECTION

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811484005	**HAM-HGWC-14**					
EPA 6020B	Calcium	265	mg/L	10.0	08/27/25 02:59	
EPA 6020B	Cobalt	0.028	mg/L	0.0050	08/25/25 22:06	
EPA 6020B	Lead	0.0017	mg/L	0.0010	08/25/25 22:06	
EPA 6020B	Selenium	0.0035J	mg/L	0.0050	08/25/25 22:06	
EPA 6020B	Thallium	0.00027J	mg/L	0.00050	08/25/25 22:06	
92811484006	**HAM-HGWC-15**					
EPA 6020B	Lithium	0.00586	mg/L	0.00200	08/29/25 17:09	
SM 2540C-2020	Total Dissolved Solids	810	mg/L	50.0	08/14/25 12:15	
EPA 300.0 Rev 2.1 1993	Chloride	69.3	mg/L	1.0	08/13/25 05:36	
EPA 300.0 Rev 2.1 1993	Fluoride	0.12	mg/L	0.10	08/13/25 05:36	
EPA 300.0 Rev 2.1 1993	Sulfate	255	mg/L	6.0	08/13/25 14:51	
EPA 6020B	Antimony	0.00071J	mg/L	0.0020	08/25/25 22:15	
EPA 6020B	Barium	0.012	mg/L	0.0050	08/25/25 22:15	
EPA 6020B	Boron	1.6	mg/L	1.0	08/27/25 03:08	
EPA 6020B	Cadmium	0.00031J	mg/L	0.00050	08/25/25 22:15	
EPA 6020B	Calcium	160	mg/L	10.0	08/27/25 03:08	
EPA 6020B	Cobalt	0.0019J	mg/L	0.0050	08/25/25 22:15	
92811484007	**HAM-HGWC-16**					
EPA 6020B	Lithium	0.00312	mg/L	0.00200	08/29/25 17:12	
SM 2540C-2020	Total Dissolved Solids	728	mg/L	50.0	08/14/25 12:20	
EPA 300.0 Rev 2.1 1993	Chloride	71.3	mg/L	1.0	08/13/25 05:51	
EPA 300.0 Rev 2.1 1993	Fluoride	0.051J	mg/L	0.10	08/13/25 05:51	
EPA 300.0 Rev 2.1 1993	Sulfate	185	mg/L	4.0	08/13/25 15:06	
EPA 6020B	Barium	0.087	mg/L	0.0050	08/25/25 22:23	
EPA 6020B	Boron	2.2	mg/L	1.0	08/27/25 03:17	
EPA 6020B	Calcium	158	mg/L	10.0	08/27/25 03:17	
EPA 6020B	Selenium	0.0015J	mg/L	0.0050	08/25/25 22:23	
92811484008	**HAM-HGWC-17**					
EPA 6020B	Lithium	0.00146J	mg/L	0.00200	08/29/25 17:16	J
SM 2540C-2020	Total Dissolved Solids	880	mg/L	50.0	08/14/25 12:20	
EPA 300.0 Rev 2.1 1993	Chloride	81.3	mg/L	1.0	08/13/25 06:06	
EPA 300.0 Rev 2.1 1993	Fluoride	0.083J	mg/L	0.10	08/13/25 06:06	
EPA 300.0 Rev 2.1 1993	Sulfate	271	mg/L	6.0	08/13/25 15:21	
EPA 6020B	Barium	0.027	mg/L	0.0050	08/25/25 22:32	
EPA 6020B	Boron	6.1	mg/L	1.0	08/27/25 03:25	
EPA 6020B	Calcium	190	mg/L	10.0	08/27/25 03:25	
EPA 6020B	Cobalt	0.0044J	mg/L	0.0050	08/25/25 22:32	
EPA 6020B	Selenium	0.0014J	mg/L	0.0050	08/25/25 22:32	
92811484009	**HAM-HGWC-18**					
EPA 6020B	Lithium	0.00964	mg/L	0.00200	08/29/25 17:19	
SM 2540C-2020	Total Dissolved Solids	710	mg/L	50.0	08/14/25 12:20	
EPA 300.0 Rev 2.1 1993	Chloride	50.7	mg/L	1.0	08/13/25 06:53	
EPA 300.0 Rev 2.1 1993	Fluoride	0.20	mg/L	0.10	08/13/25 06:53	
EPA 300.0 Rev 2.1 1993	Sulfate	350	mg/L	8.0	08/13/25 16:07	
EPA 6020B	Barium	0.017	mg/L	0.0050	08/25/25 22:41	

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SUMMARY OF DETECTION

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811484009	**HAM-HGWC-18**					
EPA 6020B	Beryllium	0.0017	mg/L	0.00040	08/25/25 22:41	
EPA 6020B	Boron	4.0	mg/L	1.0	08/27/25 03:34	
EPA 6020B	Cadmium	0.00084	mg/L	0.00050	08/25/25 22:41	
EPA 6020B	Calcium	147	mg/L	10.0	08/27/25 03:34	
EPA 6020B	Cobalt	0.070	mg/L	0.0050	08/25/25 22:41	
EPA 6020B	Lead	0.00048J	mg/L	0.0010	08/25/25 22:41	
EPA 6020B	Selenium	0.0026J	mg/L	0.0050	08/25/25 22:41	
92811484010	**HAM-MW-21D**					
EPA 6020B	Lithium	0.00994	mg/L	0.00200	08/29/25 17:22	
SM 2540C-2020	Total Dissolved Solids	342	mg/L	25.0	08/14/25 12:20	
EPA 300.0 Rev 2.1 1993	Chloride	20.9	mg/L	1.0	08/13/25 07:08	
EPA 300.0 Rev 2.1 1993	Fluoride	0.061J	mg/L	0.10	08/13/25 07:08	
EPA 300.0 Rev 2.1 1993	Sulfate	81.3	mg/L	2.0	08/13/25 16:22	
EPA 6020B	Barium	0.040	mg/L	0.0050	08/25/25 22:49	
EPA 6020B	Boron	1.7	mg/L	1.0	08/27/25 03:43	
EPA 6020B	Calcium	66.9	mg/L	10.0	08/27/25 03:43	
EPA 6020B	Molybdenum	0.011	mg/L	0.010	08/25/25 22:49	
92811484011	**HAM-MW-33**					
EPA 6020B	Lithium	0.000612J	mg/L	0.00200	08/29/25 17:25	J
SM 2540C-2020	Total Dissolved Solids	1540	mg/L	50.0	08/14/25 12:20	
EPA 300.0 Rev 2.1 1993	Chloride	79.6	mg/L	1.0	08/13/25 07:24	
EPA 300.0 Rev 2.1 1993	Fluoride	0.20	mg/L	0.10	08/13/25 07:24	
EPA 300.0 Rev 2.1 1993	Sulfate	770	mg/L	18.0	08/13/25 16:38	
EPA 6020B	Arsenic	0.0013J	mg/L	0.0020	08/25/25 22:58	
EPA 6020B	Barium	0.017	mg/L	0.0050	08/25/25 22:58	
EPA 6020B	Beryllium	0.00063	mg/L	0.00040	08/25/25 22:58	
EPA 6020B	Boron	7.0	mg/L	1.0	08/27/25 03:51	
EPA 6020B	Cadmium	0.00020J	mg/L	0.00050	08/25/25 22:58	
EPA 6020B	Calcium	313	mg/L	10.0	08/27/25 03:51	
EPA 6020B	Cobalt	0.041	mg/L	0.0050	08/25/25 22:58	
EPA 6020B	Lead	0.00099J	mg/L	0.0010	08/25/25 22:58	
EPA 6020B	Selenium	0.0062	mg/L	0.0050	08/25/25 22:58	
EPA 6020B	Thallium	0.00023J	mg/L	0.00050	08/25/25 22:58	
92811484012	**HAM-MW-34D**					
EPA 6020B	Lithium	0.00123J	mg/L	0.00200	08/29/25 17:28	J
SM 2540C-2020	Total Dissolved Solids	1700	mg/L	125	08/14/25 12:22	
EPA 300.0 Rev 2.1 1993	Chloride	141	mg/L	15.0	08/13/25 16:53	
EPA 300.0 Rev 2.1 1993	Fluoride	0.087J	mg/L	0.10	08/13/25 07:39	
EPA 300.0 Rev 2.1 1993	Sulfate	651	mg/L	15.0	08/13/25 16:53	
EPA 6020B	Barium	0.024	mg/L	0.0050	08/25/25 23:06	
EPA 6020B	Boron	6.8	mg/L	1.0	08/27/25 04:34	
EPA 6020B	Cadmium	0.00059	mg/L	0.00050	08/25/25 23:06	
EPA 6020B	Calcium	352	mg/L	10.0	08/27/25 04:34	
EPA 6020B	Cobalt	0.0049J	mg/L	0.0050	08/25/25 23:06	
EPA 6020B	Selenium	0.0032J	mg/L	0.0050	08/25/25 23:06	

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SUMMARY OF DETECTION

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811484013	**HAM-MW-35**					
EPA 6020B	Lithium	0.00191J	mg/L	0.00200	08/29/25 17:32	J
SM 2540C-2020	Total Dissolved Solids	1480	mg/L	125	08/14/25 12:20	
EPA 300.0 Rev 2.1 1993	Chloride	102	mg/L	18.0	08/13/25 17:08	M1
EPA 300.0 Rev 2.1 1993	Fluoride	0.18	mg/L	0.10	08/13/25 07:55	M1
EPA 300.0 Rev 2.1 1993	Sulfate	760	mg/L	18.0	08/13/25 17:08	M1
EPA 6020B	Barium	0.025	mg/L	0.0050	08/25/25 23:15	
EPA 6020B	Beryllium	0.00020J	mg/L	0.00040	08/25/25 23:15	
EPA 6020B	Boron	7.4	mg/L	1.0	08/27/25 04:43	
EPA 6020B	Cadmium	0.00076	mg/L	0.00050	08/25/25 23:15	
EPA 6020B	Calcium	345	mg/L	10.0	08/27/25 04:43	
EPA 6020B	Cobalt	0.048	mg/L	0.0050	08/25/25 23:15	
EPA 6020B	Selenium	0.0057	mg/L	0.0050	08/25/25 23:15	
92811484014	**HAM-MW-51**					
EPA 6020B	Lithium	0.00177J	mg/L	0.00200	08/29/25 17:35	J
SM 2540C-2020	Total Dissolved Solids	1600	mg/L	125	08/14/25 12:20	
EPA 300.0 Rev 2.1 1993	Chloride	82.5	mg/L	1.0	08/13/25 08:41	
EPA 300.0 Rev 2.1 1993	Fluoride	0.13	mg/L	0.10	08/13/25 08:41	
EPA 300.0 Rev 2.1 1993	Sulfate	740	mg/L	18.0	08/13/25 17:53	
EPA 6020B	Barium	0.020	mg/L	0.0050	08/25/25 23:24	
EPA 6020B	Beryllium	0.00033J	mg/L	0.00040	08/25/25 23:24	
EPA 6020B	Boron	7.3	mg/L	1.0	08/27/25 04:51	
EPA 6020B	Cadmium	0.00065	mg/L	0.00050	08/25/25 23:24	
EPA 6020B	Calcium	331	mg/L	10.0	08/27/25 04:51	
EPA 6020B	Cobalt	0.022	mg/L	0.0050	08/25/25 23:24	
EPA 6020B	Selenium	0.0036J	mg/L	0.0050	08/25/25 23:24	
92811484015	**HAM-AP2-FD-01**					
EPA 6020B	Lithium	0.00144J	mg/L	0.00200	08/29/25 16:00	J
SM 2540C-2020	Total Dissolved Solids	1580	mg/L	50.0	08/14/25 12:20	
EPA 300.0 Rev 2.1 1993	Chloride	79.5	mg/L	1.0	08/13/25 08:56	
EPA 300.0 Rev 2.1 1993	Fluoride	0.20	mg/L	0.10	08/13/25 08:56	
EPA 300.0 Rev 2.1 1993	Sulfate	769	mg/L	18.0	08/13/25 18:09	
EPA 6020B	Barium	0.017	mg/L	0.0050	08/25/25 23:49	
EPA 6020B	Beryllium	0.00061	mg/L	0.00040	08/25/25 23:49	
EPA 6020B	Boron	6.8	mg/L	1.0	08/27/25 05:00	
EPA 6020B	Cadmium	0.00020J	mg/L	0.00050	08/25/25 23:49	
EPA 6020B	Calcium	334	mg/L	10.0	08/27/25 05:00	
EPA 6020B	Chromium	0.0067	mg/L	0.0050	08/25/25 23:49	
EPA 6020B	Cobalt	0.040	mg/L	0.0050	08/25/25 23:49	
EPA 6020B	Lead	0.00088J	mg/L	0.0010	08/25/25 23:49	
EPA 6020B	Selenium	0.0061	mg/L	0.0050	08/25/25 23:49	
EPA 6020B	Thallium	0.00027J	mg/L	0.00050	08/25/25 23:49	
92811484016	**HAM-AP2-EB-01**					
EPA 6020B	Lithium	0.000606J	mg/L	0.00200	08/29/25 16:03	J
EPA 6020B	Boron	0.014J	mg/L	0.040	08/26/25 00:33	

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SUMMARY OF DETECTION

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811484017	**HAM-AP2-FB-01**					
EPA 6020B	Boron	0.0065J	mg/L	0.040	08/26/25 00:41	

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ANALYTICAL RESULTS

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Sample: HAM-HGWA-4 **Lab ID: 92811484001** Collected: 08/05/25 10:12 Received: 08/06/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.000902J**	mg/L	0.00200	0.000600	1	08/14/25 18:08	08/27/25 15:03	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**156**	mg/L	25.0	25.0	1		08/09/25 15:41		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**1.5**	mg/L	1.0	0.60	1		08/08/25 02:56	16887-00-6	
Fluoride	**0.12**	mg/L	0.10	0.050	1		08/08/25 02:56	16984-48-8	
Sulfate	**46.3**	mg/L	1.0	0.50	1		08/08/25 02:56	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/14/25 06:14	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/14/25 06:14	7440-38-2	
Barium	**0.060**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 06:14	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/14/25 06:14	7440-41-7	
Boron	**0.041**	mg/L	0.040	0.0062	1	08/11/25 20:04	08/14/25 06:14	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/14/25 06:14	7440-43-9	
Calcium	**26.7**	mg/L	0.40	0.10	1	08/11/25 20:04	08/14/25 06:14	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 06:14	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 06:14	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/14/25 06:14	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/14/25 06:14	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 06:14	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/14/25 06:14	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/09/25 13:41	08/09/25 17:44	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Sample: HAM-HGWA-5 **Lab ID: 92811484002** Collected: 08/05/25 11:25 Received: 08/06/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00366**	mg/L	0.00200	0.000600	1	08/14/25 18:08	08/27/25 14:51	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**143**	mg/L	25.0	25.0	1		08/09/25 15:46		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**1.8**	mg/L	1.0	0.60	1		08/08/25 03:11	16887-00-6	
Fluoride	**0.054J**	mg/L	0.10	0.050	1		08/08/25 03:11	16984-48-8	
Sulfate	**19.1**	mg/L	1.0	0.50	1		08/08/25 03:11	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/14/25 06:24	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/14/25 06:24	7440-38-2	
Barium	**0.044**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 06:24	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/14/25 06:24	7440-41-7	
Boron	**0.014J**	mg/L	0.040	0.0062	1	08/11/25 20:04	08/14/25 06:24	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/14/25 06:24	7440-43-9	
Calcium	**27.6**	mg/L	0.40	0.10	1	08/11/25 20:04	08/14/25 06:24	7440-70-2	M1
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 06:24	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 06:24	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/14/25 06:24	7439-92-1	M1,R1
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/14/25 06:24	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 06:24	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/14/25 06:24	7440-28-0	M1,R1
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/09/25 13:41	08/09/25 17:46	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Sample: HAM-HGWA-6 **Lab ID: 92811484003** Collected: 08/05/25 10:01 Received: 08/06/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0114**	mg/L	0.00200	0.000600	1	08/14/25 18:08	08/27/25 15:07	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**237**	mg/L	25.0	25.0	1		08/09/25 15:46		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**1.3**	mg/L	1.0	0.60	1		08/08/25 00:38	16887-00-6	
Fluoride	**0.064J**	mg/L	0.10	0.050	1		08/08/25 00:38	16984-48-8	
Sulfate	**33.4**	mg/L	1.0	0.50	1		08/08/25 00:38	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/14/25 07:10	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/14/25 07:10	7440-38-2	
Barium	**0.18**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 07:10	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/14/25 07:10	7440-41-7	
Boron	**0.017J**	mg/L	0.040	0.0062	1	08/11/25 20:04	08/14/25 07:10	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/14/25 07:10	7440-43-9	
Calcium	**55.5**	mg/L	2.0	0.50	5	08/11/25 20:04	08/15/25 21:51	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 07:10	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 07:10	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/14/25 07:10	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/14/25 07:10	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 07:10	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/14/25 07:10	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/09/25 13:41	08/09/25 17:49	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Sample: HAM-HGWA-42D **Lab ID: 92811484004** Collected: 08/05/25 11:22 Received: 08/06/25 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0113**	mg/L	0.00200	0.000600	1	08/14/25 18:08	08/27/25 15:10	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**182**	mg/L	25.0	25.0	1		08/09/25 15:46		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**3.1**	mg/L	1.0	0.60	1		08/08/25 01:23	16887-00-6	
Fluoride	**0.11**	mg/L	0.10	0.050	1		08/08/25 01:23	16984-48-8	
Sulfate	**10.8**	mg/L	1.0	0.50	1		08/08/25 01:23	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/11/25 20:04	08/14/25 07:20	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/11/25 20:04	08/14/25 07:20	7440-38-2	
Barium	**0.19**	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 07:20	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/11/25 20:04	08/14/25 07:20	7440-41-7	
Boron	**0.050**	mg/L	0.040	0.0062	1	08/11/25 20:04	08/14/25 07:20	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/11/25 20:04	08/14/25 07:20	7440-43-9	
Calcium	**42.8**	mg/L	2.0	0.50	5	08/11/25 20:04	08/15/25 22:00	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 07:20	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 07:20	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/11/25 20:04	08/14/25 07:20	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/11/25 20:04	08/14/25 07:20	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/11/25 20:04	08/14/25 07:20	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/11/25 20:04	08/14/25 07:20	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/09/25 13:41	08/09/25 17:51	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Sample: HAM-HGWC-14 **Lab ID: 92811484005** Collected: 08/08/25 13:15 Received: 08/11/25 14:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.000780J**	mg/L	0.00200	0.000600	1	08/19/25 09:34	08/29/25 16:51	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1350**	mg/L	50.0	50.0	1		08/14/25 12:15		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**65.1**	mg/L	1.0	0.60	1		08/13/25 05:20	16887-00-6	
Fluoride	**0.080J**	mg/L	0.10	0.050	1		08/13/25 05:20	16984-48-8	
Sulfate	**683**	mg/L	16.0	8.0	16		08/13/25 14:36	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	**0.00052J**	mg/L	0.0020	0.00050	1	08/15/25 10:45	08/25/25 22:06	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/15/25 10:45	08/25/25 22:06	7440-38-2	
Barium	**0.017**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:06	7440-39-3	
Beryllium	**0.00039J**	mg/L	0.00040	0.00015	1	08/15/25 10:45	08/25/25 22:06	7440-41-7	
Boron	**6.3**	mg/L	1.0	0.16	25	08/15/25 10:45	08/27/25 02:59	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/15/25 10:45	08/25/25 22:06	7440-43-9	
Calcium	**265**	mg/L	10.0	2.5	25	08/15/25 10:45	08/27/25 02:59	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:06	7440-47-3	
Cobalt	**0.028**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:06	7440-48-4	
Lead	**0.0017**	mg/L	0.0010	0.00025	1	08/15/25 10:45	08/25/25 22:06	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/15/25 10:45	08/25/25 22:06	7439-98-7	
Selenium	**0.0035J**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:06	7782-49-2	
Thallium	**0.00027J**	mg/L	0.00050	0.00015	1	08/15/25 10:45	08/25/25 22:06	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/16/25 23:37	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Sample: HAM-HGWC-15 **Lab ID: 92811484006** Collected: 08/08/25 11:00 Received: 08/11/25 14:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00586**	mg/L	0.00200	0.000600	1	08/19/25 09:34	08/29/25 17:09	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**810**	mg/L	50.0	50.0	1		08/14/25 12:15		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**69.3**	mg/L	1.0	0.60	1		08/13/25 05:36	16887-00-6	
Fluoride	**0.12**	mg/L	0.10	0.050	1		08/13/25 05:36	16984-48-8	
Sulfate	**255**	mg/L	6.0	3.0	6		08/13/25 14:51	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	**0.00071J**	mg/L	0.0020	0.00050	1	08/15/25 10:45	08/25/25 22:15	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/15/25 10:45	08/25/25 22:15	7440-38-2	
Barium	**0.012**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:15	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/15/25 10:45	08/25/25 22:15	7440-41-7	
Boron	**1.6**	mg/L	1.0	0.16	25	08/15/25 10:45	08/27/25 03:08	7440-42-8	
Cadmium	**0.00031J**	mg/L	0.00050	0.00012	1	08/15/25 10:45	08/25/25 22:15	7440-43-9	
Calcium	**160**	mg/L	10.0	2.5	25	08/15/25 10:45	08/27/25 03:08	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:15	7440-47-3	
Cobalt	**0.0019J**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:15	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/15/25 10:45	08/25/25 22:15	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/15/25 10:45	08/25/25 22:15	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:15	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/15/25 10:45	08/25/25 22:15	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/16/25 23:40	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Sample: HAM-HGWC-16 **Lab ID: 92811484007** Collected: 08/08/25 13:27 Received: 08/11/25 14:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00312**	mg/L	0.00200	0.000600	1	08/19/25 09:34	08/29/25 17:12	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**728**	mg/L	50.0	50.0	1		08/14/25 12:20		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**71.3**	mg/L	1.0	0.60	1		08/13/25 05:51	16887-00-6	
Fluoride	**0.051J**	mg/L	0.10	0.050	1		08/13/25 05:51	16984-48-8	
Sulfate	**185**	mg/L	4.0	2.0	4		08/13/25 15:06	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/15/25 10:45	08/25/25 22:23	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/15/25 10:45	08/25/25 22:23	7440-38-2	
Barium	**0.087**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:23	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/15/25 10:45	08/25/25 22:23	7440-41-7	
Boron	**2.2**	mg/L	1.0	0.16	25	08/15/25 10:45	08/27/25 03:17	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/15/25 10:45	08/25/25 22:23	7440-43-9	
Calcium	**158**	mg/L	10.0	2.5	25	08/15/25 10:45	08/27/25 03:17	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:23	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:23	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/15/25 10:45	08/25/25 22:23	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/15/25 10:45	08/25/25 22:23	7439-98-7	
Selenium	**0.0015J**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:23	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/15/25 10:45	08/25/25 22:23	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/16/25 23:42	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Sample: HAM-HGWC-17 **Lab ID: 92811484008** Collected: 08/08/25 11:55 Received: 08/11/25 14:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00146J**	mg/L	0.00200	0.000600	1	08/19/25 09:34	08/29/25 17:16	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**880**	mg/L	50.0	50.0	1		08/14/25 12:20		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**81.3**	mg/L	1.0	0.60	1		08/13/25 06:06	16887-00-6	
Fluoride	**0.083J**	mg/L	0.10	0.050	1		08/13/25 06:06	16984-48-8	
Sulfate	**271**	mg/L	6.0	3.0	6		08/13/25 15:21	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/15/25 10:45	08/25/25 22:32	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/15/25 10:45	08/25/25 22:32	7440-38-2	
Barium	**0.027**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:32	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/15/25 10:45	08/25/25 22:32	7440-41-7	
Boron	**6.1**	mg/L	1.0	0.16	25	08/15/25 10:45	08/27/25 03:25	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/15/25 10:45	08/25/25 22:32	7440-43-9	
Calcium	**190**	mg/L	10.0	2.5	25	08/15/25 10:45	08/27/25 03:25	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:32	7440-47-3	
Cobalt	**0.0044J**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:32	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/15/25 10:45	08/25/25 22:32	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/15/25 10:45	08/25/25 22:32	7439-98-7	
Selenium	**0.0014J**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:32	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/15/25 10:45	08/25/25 22:32	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/16/25 23:45	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Sample: HAM-HGWC-18 **Lab ID: 92811484009** Collected: 08/08/25 09:55 Received: 08/11/25 14:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00964**	mg/L	0.00200	0.000600	1	08/19/25 09:34	08/29/25 17:19	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**710**	mg/L	50.0	50.0	1		08/14/25 12:20		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**50.7**	mg/L	1.0	0.60	1		08/13/25 06:53	16887-00-6	
Fluoride	**0.20**	mg/L	0.10	0.050	1		08/13/25 06:53	16984-48-8	
Sulfate	**350**	mg/L	8.0	4.0	8		08/13/25 16:07	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/15/25 10:45	08/25/25 22:41	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/15/25 10:45	08/25/25 22:41	7440-38-2	
Barium	**0.017**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:41	7440-39-3	
Beryllium	**0.0017**	mg/L	0.00040	0.00015	1	08/15/25 10:45	08/25/25 22:41	7440-41-7	
Boron	**4.0**	mg/L	1.0	0.16	25	08/15/25 10:45	08/27/25 03:34	7440-42-8	
Cadmium	**0.00084**	mg/L	0.00050	0.00012	1	08/15/25 10:45	08/25/25 22:41	7440-43-9	
Calcium	**147**	mg/L	10.0	2.5	25	08/15/25 10:45	08/27/25 03:34	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:41	7440-47-3	
Cobalt	**0.070**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:41	7440-48-4	
Lead	**0.00048J**	mg/L	0.0010	0.00025	1	08/15/25 10:45	08/25/25 22:41	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/15/25 10:45	08/25/25 22:41	7439-98-7	
Selenium	**0.0026J**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:41	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/15/25 10:45	08/25/25 22:41	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/16/25 23:47	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Sample: HAM-MW-21D **Lab ID: 92811484010** Collected: 08/08/25 16:05 Received: 08/11/25 14:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00994**	mg/L	0.00200	0.000600	1	08/19/25 09:34	08/29/25 17:22	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**342**	mg/L	25.0	25.0	1		08/14/25 12:20		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**20.9**	mg/L	1.0	0.60	1		08/13/25 07:08	16887-00-6	
Fluoride	**0.061J**	mg/L	0.10	0.050	1		08/13/25 07:08	16984-48-8	
Sulfate	**81.3**	mg/L	2.0	1.0	2		08/13/25 16:22	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/15/25 10:45	08/25/25 22:49	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/15/25 10:45	08/25/25 22:49	7440-38-2	
Barium	**0.040**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:49	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/15/25 10:45	08/25/25 22:49	7440-41-7	
Boron	**1.7**	mg/L	1.0	0.16	25	08/15/25 10:45	08/27/25 03:43	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/15/25 10:45	08/25/25 22:49	7440-43-9	
Calcium	**66.9**	mg/L	10.0	2.5	25	08/15/25 10:45	08/27/25 03:43	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:49	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:49	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/15/25 10:45	08/25/25 22:49	7439-92-1	
Molybdenum	**0.011**	mg/L	0.010	0.0025	1	08/15/25 10:45	08/25/25 22:49	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:49	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/15/25 10:45	08/25/25 22:49	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/16/25 23:50	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Sample: HAM-MW-33 **Lab ID: 92811484011** Collected: 08/08/25 14:45 Received: 08/11/25 14:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.000612J**	mg/L	0.00200	0.000600	1	08/19/25 09:34	08/29/25 17:25	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1540**	mg/L	50.0	50.0	1		08/14/25 12:20		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**79.6**	mg/L	1.0	0.60	1		08/13/25 07:24	16887-00-6	
Fluoride	**0.20**	mg/L	0.10	0.050	1		08/13/25 07:24	16984-48-8	
Sulfate	**770**	mg/L	18.0	9.0	18		08/13/25 16:38	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/15/25 10:45	08/25/25 22:58	7440-36-0	
Arsenic	**0.0013J**	mg/L	0.0020	0.0012	1	08/15/25 10:45	08/25/25 22:58	7440-38-2	
Barium	**0.017**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:58	7440-39-3	
Beryllium	**0.00063**	mg/L	0.00040	0.00015	1	08/15/25 10:45	08/25/25 22:58	7440-41-7	
Boron	**7.0**	mg/L	1.0	0.16	25	08/15/25 10:45	08/27/25 03:51	7440-42-8	
Cadmium	**0.00020J**	mg/L	0.00050	0.00012	1	08/15/25 10:45	08/25/25 22:58	7440-43-9	
Calcium	**313**	mg/L	10.0	2.5	25	08/15/25 10:45	08/27/25 03:51	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:58	7440-47-3	
Cobalt	**0.041**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:58	7440-48-4	
Lead	**0.00099J**	mg/L	0.0010	0.00025	1	08/15/25 10:45	08/25/25 22:58	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/15/25 10:45	08/25/25 22:58	7439-98-7	
Selenium	**0.0062**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 22:58	7782-49-2	
Thallium	**0.00023J**	mg/L	0.00050	0.00015	1	08/15/25 10:45	08/25/25 22:58	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/16/25 23:57	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Sample: HAM-MW-34D **Lab ID: 92811484012** Collected: 08/08/25 16:00 Received: 08/11/25 14:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00123J**	mg/L	0.00200	0.000600	1	08/19/25 09:34	08/29/25 17:28	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1700**	mg/L	125	125	1		08/14/25 12:22		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**141**	mg/L	15.0	9.0	15		08/13/25 16:53	16887-00-6	
Fluoride	**0.087J**	mg/L	0.10	0.050	1		08/13/25 07:39	16984-48-8	
Sulfate	**651**	mg/L	15.0	7.5	15		08/13/25 16:53	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/15/25 10:45	08/25/25 23:06	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/15/25 10:45	08/25/25 23:06	7440-38-2	
Barium	**0.024**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 23:06	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/15/25 10:45	08/25/25 23:06	7440-41-7	
Boron	**6.8**	mg/L	1.0	0.16	25	08/15/25 10:45	08/27/25 04:34	7440-42-8	
Cadmium	**0.00059**	mg/L	0.00050	0.00012	1	08/15/25 10:45	08/25/25 23:06	7440-43-9	
Calcium	**352**	mg/L	10.0	2.5	25	08/15/25 10:45	08/27/25 04:34	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 23:06	7440-47-3	
Cobalt	**0.0049J**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 23:06	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/15/25 10:45	08/25/25 23:06	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/15/25 10:45	08/25/25 23:06	7439-98-7	
Selenium	**0.0032J**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 23:06	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/15/25 10:45	08/25/25 23:06	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/17/25 00:00	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Sample: HAM-MW-35 **Lab ID: 92811484013** Collected: 08/08/25 10:30 Received: 08/11/25 14:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00191J**	mg/L	0.00200	0.000600	1	08/19/25 09:34	08/29/25 17:32	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1480**	mg/L	125	125	1		08/14/25 12:20		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**102**	mg/L	18.0	10.8	18		08/13/25 17:08	16887-00-6	M1
Fluoride	**0.18**	mg/L	0.10	0.050	1		08/13/25 07:55	16984-48-8	M1
Sulfate	**760**	mg/L	18.0	9.0	18		08/13/25 17:08	14808-79-8	M1
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/15/25 10:45	08/25/25 23:15	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/15/25 10:45	08/25/25 23:15	7440-38-2	
Barium	**0.025**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 23:15	7440-39-3	
Beryllium	**0.00020J**	mg/L	0.00040	0.00015	1	08/15/25 10:45	08/25/25 23:15	7440-41-7	
Boron	**7.4**	mg/L	1.0	0.16	25	08/15/25 10:45	08/27/25 04:43	7440-42-8	
Cadmium	**0.00076**	mg/L	0.00050	0.00012	1	08/15/25 10:45	08/25/25 23:15	7440-43-9	
Calcium	**345**	mg/L	10.0	2.5	25	08/15/25 10:45	08/27/25 04:43	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 23:15	7440-47-3	
Cobalt	**0.048**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 23:15	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/15/25 10:45	08/25/25 23:15	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/15/25 10:45	08/25/25 23:15	7439-98-7	
Selenium	**0.0057**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 23:15	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/15/25 10:45	08/25/25 23:15	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/17/25 00:08	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Sample: HAM-MW-51 **Lab ID: 92811484014** Collected: 08/08/25 11:56 Received: 08/11/25 14:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00177J**	mg/L	0.00200	0.000600	1	08/19/25 09:34	08/29/25 17:35	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1600**	mg/L	125	125	1		08/14/25 12:20		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**82.5**	mg/L	1.0	0.60	1		08/13/25 08:41	16887-00-6	
Fluoride	**0.13**	mg/L	0.10	0.050	1		08/13/25 08:41	16984-48-8	
Sulfate	**740**	mg/L	18.0	9.0	18		08/13/25 17:53	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/15/25 10:45	08/25/25 23:24	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/15/25 10:45	08/25/25 23:24	7440-38-2	
Barium	**0.020**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 23:24	7440-39-3	
Beryllium	**0.00033J**	mg/L	0.00040	0.00015	1	08/15/25 10:45	08/25/25 23:24	7440-41-7	
Boron	**7.3**	mg/L	1.0	0.16	25	08/15/25 10:45	08/27/25 04:51	7440-42-8	
Cadmium	**0.00065**	mg/L	0.00050	0.00012	1	08/15/25 10:45	08/25/25 23:24	7440-43-9	
Calcium	**331**	mg/L	10.0	2.5	25	08/15/25 10:45	08/27/25 04:51	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 23:24	7440-47-3	
Cobalt	**0.022**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 23:24	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/15/25 10:45	08/25/25 23:24	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/15/25 10:45	08/25/25 23:24	7439-98-7	
Selenium	**0.0036J**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 23:24	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/15/25 10:45	08/25/25 23:24	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/17/25 00:10	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Sample: HAM-AP2-FD-01 **Lab ID: 92811484015** Collected: 08/08/25 00:00 Received: 08/11/25 14:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00144J**	mg/L	0.00200	0.000600	1	08/19/25 09:34	08/29/25 16:00	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1580**	mg/L	50.0	50.0	1		08/14/25 12:20		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**79.5**	mg/L	1.0	0.60	1		08/13/25 08:56	16887-00-6	
Fluoride	**0.20**	mg/L	0.10	0.050	1		08/13/25 08:56	16984-48-8	
Sulfate	**769**	mg/L	18.0	9.0	18		08/13/25 18:09	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/15/25 10:45	08/25/25 23:49	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/15/25 10:45	08/25/25 23:49	7440-38-2	
Barium	**0.017**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 23:49	7440-39-3	
Beryllium	**0.00061**	mg/L	0.00040	0.00015	1	08/15/25 10:45	08/25/25 23:49	7440-41-7	
Boron	**6.8**	mg/L	1.0	0.16	25	08/15/25 10:45	08/27/25 05:00	7440-42-8	
Cadmium	**0.00020J**	mg/L	0.00050	0.00012	1	08/15/25 10:45	08/25/25 23:49	7440-43-9	
Calcium	**334**	mg/L	10.0	2.5	25	08/15/25 10:45	08/27/25 05:00	7440-70-2	
Chromium	**0.0067**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 23:49	7440-47-3	
Cobalt	**0.040**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 23:49	7440-48-4	
Lead	**0.00088J**	mg/L	0.0010	0.00025	1	08/15/25 10:45	08/25/25 23:49	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/15/25 10:45	08/25/25 23:49	7439-98-7	
Selenium	**0.0061**	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/25/25 23:49	7782-49-2	
Thallium	**0.00027J**	mg/L	0.00050	0.00015	1	08/15/25 10:45	08/25/25 23:49	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/17/25 00:13	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Sample: HAM-AP2-EB-01 **Lab ID: 92811484016** Collected: 08/08/25 16:10 Received: 08/11/25 14:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.000606J**	mg/L	0.00200	0.000600	1	08/19/25 09:34	08/29/25 16:03	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/14/25 14:02		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/13/25 01:13	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/13/25 01:13	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/13/25 01:13	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/15/25 10:45	08/26/25 00:33	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/15/25 10:45	08/26/25 00:33	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/26/25 00:33	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/15/25 10:45	08/26/25 00:33	7440-41-7	
Boron	**0.014J**	mg/L	0.040	0.0062	1	08/15/25 10:45	08/26/25 00:33	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/15/25 10:45	08/26/25 00:33	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	08/15/25 10:45	08/27/25 05:43	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/26/25 00:33	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/26/25 00:33	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/15/25 10:45	08/26/25 00:33	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/15/25 10:45	08/26/25 00:33	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/26/25 00:33	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/15/25 10:45	08/26/25 00:33	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/17/25 00:15	7439-97-6	

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ANALYTICAL RESULTS

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Sample: HAM-AP2-FB-01 **Lab ID: 92811484017** Collected: 08/08/25 16:05 Received: 08/11/25 14:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/19/25 09:34	08/29/25 16:06	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/14/25 14:02		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/13/25 01:29	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/13/25 01:29	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/13/25 01:29	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/15/25 10:45	08/26/25 00:41	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/15/25 10:45	08/26/25 00:41	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/26/25 00:41	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/15/25 10:45	08/26/25 00:41	7440-41-7	
Boron	**0.0065J**	mg/L	0.040	0.0062	1	08/15/25 10:45	08/26/25 00:41	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/15/25 10:45	08/26/25 00:41	7440-43-9	
Calcium	ND	mg/L	0.40	0.10	1	08/15/25 10:45	08/27/25 05:52	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/26/25 00:41	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/26/25 00:41	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/15/25 10:45	08/26/25 00:41	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/15/25 10:45	08/26/25 00:41	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/15/25 10:45	08/26/25 00:41	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/15/25 10:45	08/26/25 00:41	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/17/25 00:18	7439-97-6	

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

QC Batch: 2577201
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92811484001, 92811484002, 92811484003, 92811484004

METHOD BLANK: R4264928-1 Matrix: Water
Associated Lab Samples: 92811484001, 92811484002, 92811484003, 92811484004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	08/27/25 14:44	

LABORATORY CONTROL SAMPLE: R4264928-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0504	101	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4264928-4 R4264928-5

Parameter	Units	92811484002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.00366	0.0500	0.0500	0.0532	0.0535	99.2	99.7	75.0-125	0.467	20	

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

QC Batch: 2579872 — Analysis Method: EPA 6020B
QC Batch Method: 3015 — Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92811484005, 92811484006, 92811484007, 92811484008, 92811484009, 92811484010, 92811484011, 92811484012, 92811484013, 92811484014, 92811484015, 92811484016, 92811484017

METHOD BLANK: R4266262-1 — Matrix: Water
Associated Lab Samples: 92811484005, 92811484006, 92811484007, 92811484008, 92811484009, 92811484010, 92811484011, 92811484012, 92811484013, 92811484014, 92811484015, 92811484016, 92811484017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	08/29/25 16:22	

LABORATORY CONTROL SAMPLE: R4266262-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0475	95.0	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4266262-4 R4266262-5

Parameter	Units	L1886526-11 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	ND	0.0500	0.0500	0.0476	0.0467	95.2	93.4	75.0-125	1.97	20	

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

QC Batch: 952983
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92811484001

METHOD BLANK: 4897634 Matrix: Water
Associated Lab Samples: 92811484001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/09/25 15:36	

LABORATORY CONTROL SAMPLE: 4897635

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	250	100	90-110	

SAMPLE DUPLICATE: 4897636

Parameter	Units	92811210013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	682	760	11	25	

SAMPLE DUPLICATE: 4897637

Parameter	Units	92811438001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	75.0	79.0	5	25	

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

QC Batch: 953028
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92811484002, 92811484003, 92811484004

METHOD BLANK: 4897737 Matrix: Water
Associated Lab Samples: 92811484002, 92811484003, 92811484004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/09/25 15:45	

LABORATORY CONTROL SAMPLE: 4897738

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	238	95	90-110	

SAMPLE DUPLICATE: 4897739

Parameter	Units	92811484002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	143	151	5	25	

SAMPLE DUPLICATE: 4897740

Parameter	Units	92810483014 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	865	882	2	25	

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

QC Batch: 953847 — Analysis Method: SM 2540C-2020
QC Batch Method: SM 2540C-2020 — Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92811484005, 92811484006, 92811484007, 92811484008, 92811484009, 92811484010, 92811484011, 92811484012, 92811484013, 92811484014, 92811484015

METHOD BLANK: 4902348 — Matrix: Water
Associated Lab Samples: 92811484005, 92811484006, 92811484007, 92811484008, 92811484009, 92811484010, 92811484011, 92811484012, 92811484013, 92811484014, 92811484015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/14/25 12:14	

LABORATORY CONTROL SAMPLE: 4902349

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	254	102	90-110	

SAMPLE DUPLICATE: 4902350

Parameter	Units	92812132013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	400	395	1	25	

SAMPLE DUPLICATE: 4902351

Parameter	Units	92811484006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	810	804	1	25	

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

QC Batch: 954031
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92811484016, 92811484017

METHOD BLANK: 4903152 Matrix: Water
Associated Lab Samples: 92811484016, 92811484017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/14/25 14:02	

LABORATORY CONTROL SAMPLE: 4903153

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	268	107	90-110	

SAMPLE DUPLICATE: 4903154

Parameter	Units	92811484016 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	

SAMPLE DUPLICATE: 4903155

Parameter	Units	92812273003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	359	366	2	25	

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

QC Batch: 952679
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92811484001, 92811484002

METHOD BLANK: 4895956 Matrix: Water
Associated Lab Samples: 92811484001, 92811484002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/07/25 19:44	
Fluoride	mg/L	ND	0.10	0.050	08/07/25 19:44	
Sulfate	mg/L	ND	1.0	0.50	08/07/25 19:44	

LABORATORY CONTROL SAMPLE: 4895957

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.7	101	90-110	
Fluoride	mg/L	2.5	2.6	105	90-110	
Sulfate	mg/L	50	50.5	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4895958 4895959

Parameter	Units	92811534002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	10.1	50	50	57.7	62.2	95	104	90-110	7	10	
Fluoride	mg/L	ND	2.5	2.5	2.3	2.5	90	100	90-110	10	10	
Sulfate	mg/L	2.8	50	50	49.8	54.3	94	103	90-110	9	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4895960 4895961

Parameter	Units	92811471001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	17.2	50	50	66.9	71.3	99	108	90-110	6	10	
Fluoride	mg/L	0.055J	2.5	2.5	4.1	2.6	162	103	90-110	44	10	M1,R1
Sulfate	mg/L	57.6	50	50	96.7	100	78	86	90-110	4	10	M1

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

QC Batch: 952684
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92811484003, 92811484004

METHOD BLANK: 4895979 Matrix: Water
Associated Lab Samples: 92811484003, 92811484004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/07/25 21:24	
Fluoride	mg/L	ND	0.10	0.050	08/07/25 21:24	
Sulfate	mg/L	ND	1.0	0.50	08/07/25 21:24	

LABORATORY CONTROL SAMPLE: 4895980

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.3	101	90-110	
Fluoride	mg/L	2.5	2.7	106	90-110	
Sulfate	mg/L	50	50.2	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4895981 4895982

Parameter	Units	92811484003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	1.3	50	50	51.6	53.1	101	104	90-110	3	10	
Fluoride	mg/L	0.064J	2.5	2.5	2.4	2.5	95	98	90-110	3	10	
Sulfate	mg/L	33.4	50	50	82.7	84.3	99	102	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4895983 4895984

Parameter	Units	92811605003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	50	50	50.5	51.4	100	102	90-110	2	10	
Fluoride	mg/L	ND	2.5	2.5	2.7	2.6	108	103	90-110	4	10	
Sulfate	mg/L	ND	50	50	49.9	50.8	100	102	90-110	2	10	

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(704)875-9092

QUALITY CONTROL DATA

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

QC Batch: 953530
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92811484005, 92811484006, 92811484007, 92811484008, 92811484009, 92811484010, 92811484011, 92811484012

METHOD BLANK: 4900525 Matrix: Water
Associated Lab Samples: 92811484005, 92811484006, 92811484007, 92811484008, 92811484009, 92811484010, 92811484011, 92811484012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/12/25 21:03	
Fluoride	mg/L	ND	0.10	0.050	08/12/25 21:03	
Sulfate	mg/L	ND	1.0	0.50	08/12/25 21:03	

LABORATORY CONTROL SAMPLE: 4900526

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.8	102	90-110	
Fluoride	mg/L	2.5	2.6	105	90-110	
Sulfate	mg/L	50	51.7	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4900527 4900528

Parameter	Units	92812429001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	22.2	50	50	69.7	72.4	95	100	90-110	4	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.6	99	102	90-110	3	10	
Sulfate	mg/L	8.3	50	50	54.9	57.6	93	99	90-110	5	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4900529 4900530

Parameter	Units	92811498009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	50	50	49.0	50.5	98	101	90-110	3	10	
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	102	103	90-110	1	10	
Sulfate	mg/L	ND	50	50	49.6	51.2	99	102	90-110	3	10	

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

QC Batch: 953531
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92811484013, 92811484014, 92811484015, 92811484016, 92811484017

METHOD BLANK: 4900533 Matrix: Water
Associated Lab Samples: 92811484013, 92811484014, 92811484015, 92811484016, 92811484017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/12/25 21:34	
Fluoride	mg/L	ND	0.10	0.050	08/12/25 21:34	
Sulfate	mg/L	ND	1.0	0.50	08/12/25 21:34	

LABORATORY CONTROL SAMPLE: 4900534

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.5	103	90-110	
Fluoride	mg/L	2.5	2.6	104	90-110	
Sulfate	mg/L	50	52.5	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4900535 4900536

Parameter	Units	92811484013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	102	50	50	142	142	80	81	90-110	0	10	M1
Fluoride	mg/L	0.18	2.5	2.5	3.0	3.0	111	112	90-110	1	10	M1
Sulfate	mg/L	760	50	50	797	795	73	69	90-110	0	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4900537 4900538

Parameter	Units	92812273006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	2.3	50	50	51.9	53.0	99	101	90-110	2	10	
Fluoride	mg/L	0.13	2.5	2.5	3.0	3.1	115	117	90-110	2	10	M1
Sulfate	mg/L	111	50	50	148	149	74	77	90-110	1	10	M1

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

QC Batch: 952854
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92811484001, 92811484002, 92811484003, 92811484004

METHOD BLANK: 4896691 Matrix: Water
Associated Lab Samples: 92811484001, 92811484002, 92811484003, 92811484004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	08/13/25 19:42	
Arsenic	mg/L	ND	0.0020	0.0012	08/13/25 19:42	
Barium	mg/L	ND	0.0050	0.0012	08/13/25 19:42	
Beryllium	mg/L	ND	0.00040	0.00015	08/13/25 19:42	
Boron	mg/L	ND	0.040	0.0062	08/13/25 19:42	
Cadmium	mg/L	ND	0.00050	0.00012	08/13/25 19:42	
Calcium	mg/L	ND	0.40	0.10	08/13/25 19:42	
Chromium	mg/L	ND	0.0050	0.0012	08/13/25 19:42	
Cobalt	mg/L	ND	0.0050	0.0012	08/13/25 19:42	
Lead	mg/L	ND	0.0010	0.00025	08/13/25 19:42	
Molybdenum	mg/L	ND	0.010	0.0025	08/13/25 19:42	
Selenium	mg/L	ND	0.0050	0.0012	08/13/25 19:42	
Thallium	mg/L	ND	0.00050	0.00015	08/13/25 19:42	

LABORATORY CONTROL SAMPLE: 4896692

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.095	95	80-120	
Arsenic	mg/L	0.1	0.091	91	80-120	
Barium	mg/L	0.1	0.097	97	80-120	
Beryllium	mg/L	0.1	0.094	94	80-120	
Boron	mg/L	0.1	0.10	100	80-120	
Cadmium	mg/L	0.1	0.095	95	80-120	
Calcium	mg/L	1	1.0	104	80-120	
Chromium	mg/L	0.1	0.10	102	80-120	
Cobalt	mg/L	0.1	0.11	106	80-120	
Lead	mg/L	0.1	0.099	99	80-120	
Molybdenum	mg/L	0.1	0.10	101	80-120	
Selenium	mg/L	0.1	0.093	93	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4896693 4896694

Parameter	Units	92811484002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.093	0.092	93	92	75-125	0	20	
Arsenic	mg/L	ND	0.1	0.1	0.096	0.095	96	95	75-125	1	20	

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4896693 4896694

Parameter	Units	92811484002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	mg/L	0.044	0.1	0.1	0.14	0.14	93	91	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.095	0.095	95	95	75-125	1	20	
Boron	mg/L	0.014J	0.1	0.1	0.11	0.11	98	96	75-125	1	20	
Cadmium	mg/L	ND	0.1	0.1	0.092	0.092	92	92	75-125	0	20	
Calcium	mg/L	27.6	1	1	27.2	27.4	-45	-18	75-125	1	20	
Chromium	mg/L	ND	0.1	0.1	0.096	0.095	96	95	75-125	1	20	
Cobalt	mg/L	ND	0.1	0.1	0.10	0.098	99	98	75-125	1	20	
Lead	mg/L	ND	0.1	0.1	0.094	0.093	94	93	75-125	1	20	
Molybdenum	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20	
Selenium	mg/L	ND	0.1	0.1	0.11	0.10	106	105	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.094	0.093	94	93	75-125	1	20	

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

QC Batch: 953938
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92811484005, 92811484006, 92811484007, 92811484008, 92811484009, 92811484010, 92811484011, 92811484012, 92811484013, 92811484014, 92811484015, 92811484016, 92811484017

METHOD BLANK: 4902844 Matrix: Water
Associated Lab Samples: 92811484005, 92811484006, 92811484007, 92811484008, 92811484009, 92811484010, 92811484011, 92811484012, 92811484013, 92811484014, 92811484015, 92811484016, 92811484017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	08/25/25 21:32	
Arsenic	mg/L	ND	0.0020	0.0012	08/25/25 21:32	
Barium	mg/L	ND	0.0050	0.0012	08/25/25 21:32	
Beryllium	mg/L	ND	0.00040	0.00015	08/25/25 21:32	
Boron	mg/L	ND	0.040	0.0062	08/25/25 21:32	
Cadmium	mg/L	ND	0.00050	0.00012	08/25/25 21:32	
Calcium	mg/L	ND	0.40	0.10	08/27/25 02:42	
Chromium	mg/L	ND	0.0050	0.0012	08/25/25 21:32	
Cobalt	mg/L	ND	0.0050	0.0012	08/25/25 21:32	
Lead	mg/L	ND	0.0010	0.00025	08/25/25 21:32	
Molybdenum	mg/L	ND	0.010	0.0025	08/25/25 21:32	
Selenium	mg/L	ND	0.0050	0.0012	08/25/25 21:32	
Thallium	mg/L	ND	0.00050	0.00015	08/25/25 21:32	

LABORATORY CONTROL SAMPLE: 4902845

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.091	91	80-120	
Arsenic	mg/L	0.1	0.089	89	80-120	
Barium	mg/L	0.1	0.095	95	80-120	
Beryllium	mg/L	0.1	0.087	87	80-120	
Boron	mg/L	0.1	0.10	100	80-120	
Cadmium	mg/L	0.1	0.092	92	80-120	
Calcium	mg/L	1	0.93	93	80-120	
Chromium	mg/L	0.1	0.097	97	80-120	
Cobalt	mg/L	0.1	0.10	101	80-120	
Lead	mg/L	0.1	0.11	110	80-120	
Molybdenum	mg/L	0.1	0.089	89	80-120	
Selenium	mg/L	0.1	0.085	85	80-120	
Thallium	mg/L	0.1	0.11	111	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4902846 4902847

Parameter	Units	92811484015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.082	0.083	82	83	75-125	1	20	

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4902846 4902847

Parameter	Units	92811484015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	ND	0.1	0.1	0.089	0.089	88	88	75-125	1	20	
Barium	mg/L	0.017	0.1	0.1	0.10	0.10	83	85	75-125	2	20	
Beryllium	mg/L	0.00061	0.1	0.1	0.087	0.088	86	88	75-125	2	20	
Boron	mg/L	6.8	0.1	0.1	7.0	7.0	225	221	75-125	0	20	
Cadmium	mg/L	0.00020J	0.1	0.1	0.088	0.090	88	89	75-125	1	20	
Calcium	mg/L	334	1	1	319	334	-1480	-38	75-125	4	20	
Chromium	mg/L	0.0067	0.1	0.1	0.088	0.091	82	84	75-125	3	20	
Cobalt	mg/L	0.040	0.1	0.1	0.12	0.13	85	86	75-125	1	20	
Lead	mg/L	0.00088J	0.1	0.1	0.085	0.085	84	84	75-125	0	20	
Molybdenum	mg/L	ND	0.1	0.1	0.092	0.093	92	93	75-125	1	20	
Selenium	mg/L	0.0061	0.1	0.1	0.091	0.090	85	84	75-125	0	20	
Thallium	mg/L	0.00027J	0.1	0.1	0.086	0.086	86	85	75-125	1	20	

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

QC Batch: 952850
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92811484001, 92811484002, 92811484003, 92811484004

METHOD BLANK: 4896665 Matrix: Water
Associated Lab Samples: 92811484001, 92811484002, 92811484003, 92811484004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	08/09/25 17:39	

LABORATORY CONTROL SAMPLE: 4896666

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0021	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4896667 4896668

Parameter	Units	92811607002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.002	0.002	0.0021	0.0021	104	104	80-120	0	20	

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QUALITY CONTROL DATA

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

QC Batch: 953732 | Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A | Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92811484005, 92811484006, 92811484007, 92811484008, 92811484009, 92811484010, 92811484011, 92811484012, 92811484013, 92811484014, 92811484015, 92811484016, 92811484017

METHOD BLANK: 4901445 Matrix: Water
Associated Lab Samples: 92811484005, 92811484006, 92811484007, 92811484008, 92811484009, 92811484010, 92811484011, 92811484012, 92811484013, 92811484014, 92811484015, 92811484016, 92811484017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	08/16/25 23:32	

LABORATORY CONTROL SAMPLE: 4901446

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0022	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4901447 4901448

Parameter	Units	92811484012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.002	0.002	0.0021	0.0021	102	102	80-120	0	20	

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QUALIFIERS

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 92811484

[1]	GEOSYNTEC
[2]	DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

ANALYTE QUALIFIERS

J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92811484001	**HAM-HGWA-4**	3015	2577201	EPA 6020B	2577201
92811484002	**HAM-HGWA-5**	3015	2577201	EPA 6020B	2577201
92811484003	**HAM-HGWA-6**	3015	2577201	EPA 6020B	2577201
92811484004	**HAM-HGWA-42D**	3015	2577201	EPA 6020B	2577201
92811484005	**HAM-HGWC-14**	3015	2579872	EPA 6020B	2579872
92811484006	**HAM-HGWC-15**	3015	2579872	EPA 6020B	2579872
92811484007	**HAM-HGWC-16**	3015	2579872	EPA 6020B	2579872
92811484008	**HAM-HGWC-17**	3015	2579872	EPA 6020B	2579872
92811484009	**HAM-HGWC-18**	3015	2579872	EPA 6020B	2579872
92811484010	**HAM-MW-21D**	3015	2579872	EPA 6020B	2579872
92811484011	**HAM-MW-33**	3015	2579872	EPA 6020B	2579872
92811484012	**HAM-MW-34D**	3015	2579872	EPA 6020B	2579872
92811484013	**HAM-MW-35**	3015	2579872	EPA 6020B	2579872
92811484014	**HAM-MW-51**	3015	2579872	EPA 6020B	2579872
92811484015	**HAM-AP2-FD-01**	3015	2579872	EPA 6020B	2579872
92811484016	**HAM-AP2-EB-01**	3015	2579872	EPA 6020B	2579872
92811484017	**HAM-AP2-FB-01**	3015	2579872	EPA 6020B	2579872
92811484001	**HAM-HGWA-4**	SM 2540C-2020	952983		
92811484002	**HAM-HGWA-5**	SM 2540C-2020	953028		
92811484003	**HAM-HGWA-6**	SM 2540C-2020	953028		
92811484004	**HAM-HGWA-42D**	SM 2540C-2020	953028		
92811484005	**HAM-HGWC-14**	SM 2540C-2020	953847		
92811484006	**HAM-HGWC-15**	SM 2540C-2020	953847		
92811484007	**HAM-HGWC-16**	SM 2540C-2020	953847		
92811484008	**HAM-HGWC-17**	SM 2540C-2020	953847		
92811484009	**HAM-HGWC-18**	SM 2540C-2020	953847		
92811484010	**HAM-MW-21D**	SM 2540C-2020	953847		
92811484011	**HAM-MW-33**	SM 2540C-2020	953847		
92811484012	**HAM-MW-34D**	SM 2540C-2020	953847		
92811484013	**HAM-MW-35**	SM 2540C-2020	953847		
92811484014	**HAM-MW-51**	SM 2540C-2020	953847		
92811484015	**HAM-AP2-FD-01**	SM 2540C-2020	953847		
92811484016	**HAM-AP2-EB-01**	SM 2540C-2020	954031		
92811484017	**HAM-AP2-FB-01**	SM 2540C-2020	954031		
92811484001	**HAM-HGWA-4**	EPA 300.0 Rev 2.1 1993	952679		
92811484002	**HAM-HGWA-5**	EPA 300.0 Rev 2.1 1993	952679		
92811484003	**HAM-HGWA-6**	EPA 300.0 Rev 2.1 1993	952684		
92811484004	**HAM-HGWA-42D**	EPA 300.0 Rev 2.1 1993	952684		
92811484005	**HAM-HGWC-14**	EPA 300.0 Rev 2.1 1993	953530		
92811484006	**HAM-HGWC-15**	EPA 300.0 Rev 2.1 1993	953530		
92811484007	**HAM-HGWC-16**	EPA 300.0 Rev 2.1 1993	953530		
92811484008	**HAM-HGWC-17**	EPA 300.0 Rev 2.1 1993	953530		
92811484009	**HAM-HGWC-18**	EPA 300.0 Rev 2.1 1993	953530		
92811484010	**HAM-MW-21D**	EPA 300.0 Rev 2.1 1993	953530		
92811484011	**HAM-MW-33**	EPA 300.0 Rev 2.1 1993	953530		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Hammond-AP-2
Pace Project No.: 92811484

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92811484012	**HAM-MW-34D**	EPA 300.0 Rev 2.1 1993	953530		
92811484013	**HAM-MW-35**	EPA 300.0 Rev 2.1 1993	953531		
92811484014	**HAM-MW-51**	EPA 300.0 Rev 2.1 1993	953531		
92811484015	**HAM-AP2-FD-01**	EPA 300.0 Rev 2.1 1993	953531		
92811484016	**HAM-AP2-EB-01**	EPA 300.0 Rev 2.1 1993	953531		
92811484017	**HAM-AP2-FB-01**	EPA 300.0 Rev 2.1 1993	953531		
92811484001	**HAM-HGWA-4**	EPA 3005A	952854	EPA 6020B	954116
92811484002	**HAM-HGWA-5**	EPA 3005A	952854	EPA 6020B	954116
92811484003	**HAM-HGWA-6**	EPA 3005A	952854	EPA 6020B	954116
92811484004	**HAM-HGWA-42D**	EPA 3005A	952854	EPA 6020B	954116
92811484005	**HAM-HGWC-14**	EPA 3005A	953938	EPA 6020B	956339
92811484006	**HAM-HGWC-15**	EPA 3005A	953938	EPA 6020B	956339
92811484007	**HAM-HGWC-16**	EPA 3005A	953938	EPA 6020B	956339
92811484008	**HAM-HGWC-17**	EPA 3005A	953938	EPA 6020B	956339
92811484009	**HAM-HGWC-18**	EPA 3005A	953938	EPA 6020B	956339
92811484010	**HAM-MW-21D**	EPA 3005A	953938	EPA 6020B	956339
92811484011	**HAM-MW-33**	EPA 3005A	953938	EPA 6020B	956339
92811484012	**HAM-MW-34D**	EPA 3005A	953938	EPA 6020B	956339
92811484013	**HAM-MW-35**	EPA 3005A	953938	EPA 6020B	956339
92811484014	**HAM-MW-51**	EPA 3005A	953938	EPA 6020B	956339
92811484015	**HAM-AP2-FD-01**	EPA 3005A	953938	EPA 6020B	956339
92811484016	**HAM-AP2-EB-01**	EPA 3005A	953938	EPA 6020B	956339
92811484017	**HAM-AP2-FB-01**	EPA 3005A	953938	EPA 6020B	956339
92811484001	**HAM-HGWA-4**	EPA 7470A	952850	EPA 7470A	953201
92811484002	**HAM-HGWA-5**	EPA 7470A	952850	EPA 7470A	953201
92811484003	**HAM-HGWA-6**	EPA 7470A	952850	EPA 7470A	953201
92811484004	**HAM-HGWA-42D**	EPA 7470A	952850	EPA 7470A	953201
92811484005	**HAM-HGWC-14**	EPA 7470A	953732	EPA 7470A	954603
92811484006	**HAM-HGWC-15**	EPA 7470A	953732	EPA 7470A	954603
92811484007	**HAM-HGWC-16**	EPA 7470A	953732	EPA 7470A	954603
92811484008	**HAM-HGWC-17**	EPA 7470A	953732	EPA 7470A	954603
92811484009	**HAM-HGWC-18**	EPA 7470A	953732	EPA 7470A	954603
92811484010	**HAM-MW-21D**	EPA 7470A	953732	EPA 7470A	954603
92811484011	**HAM-MW-33**	EPA 7470A	953732	EPA 7470A	954603
92811484012	**HAM-MW-34D**	EPA 7470A	953732	EPA 7470A	954603
92811484013	**HAM-MW-35**	EPA 7470A	953732	EPA 7470A	954603
92811484014	**HAM-MW-51**	EPA 7470A	953732	EPA 7470A	954603
92811484015	**HAM-AP2-FD-01**	EPA 7470A	953732	EPA 7470A	954603
92811484016	**HAM-AP2-EB-01**	EPA 7470A	953732	EPA 7470A	954603
92811484017	**HAM-AP2-FB-01**	EPA 7470A	953732	EPA 7470A	954603

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DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #: WO# : 92811484

92811484

Courier: ☐ Commercial ☑ Pace ☐ Fed Ex ☐ UPS ☐ USPS ☐ Other:____ ☐ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 8/6/25 LAH

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.2 Correction Factor: Add/Subtract (°C) 0.0

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

Cooler Temp Corrected (°C): 2.2

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

Qualtrax ID: 69614

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	RP6U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9H-40 mL VOA HCl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH-/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH4)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																															
1		1	1			24																									
2		1	1			24																									
3		1	1			24																									
4		1	1			24																									
5						24																									
6						24																									
7						24																									
8						24																									
9																															
10																															
11																															
12																															

pH Adjustment Log for Preserved Samples

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

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

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 92811484

PM: BV Due Date: 08/21/25

CLIENT: 92- GP-HAM

Company Name:	Georgia Power- Hammond	Contact/Report To:	Kristen Jurinko
Street Address:	241 Ralph McGill Blvd NE Bin 10160 Atlanta, GA 30308	Phone #:	470-217-0008
		E-Mail:	knjurink@southernco.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Plant Hammond-(AP-2)-2nd SA	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (If applicable):	GPC82474-0011
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-Cl, SO4, F	APP III/IV Metals	RAD 226/228	Sample Comment
HAM-HGWA-4	WG	Grab			8/5/2025	1012	4			X	X	X		Temp= 20 deg C 001
HAM-HGWA-5	WG	Grab			8/5/2025	1125	4			X	X	X		Temp= 19 deg C 002
HAM-HGWA-6	WG	Grab			8/5/2025	1001	4			X	X	X		Temp= 19 deg C 003
HAM-HGWA-42D	WG	Grab			8/5/2025	1122	4			X	X	X		Temp= 20 deg C 004
HAM-HGWA-4	WG	Grab	ZW 8/5/2025		8/5/2025	1012	2	ZW 8/5/2025					X	Temp= 20 deg C
HAM-HGWA-5	WG	Grab			8/5/2025	1125	2						X	Temp= 19 deg C
HAM-HGWA-6	WG	Grab			8/5/2025	1001	2						X	Temp= 19 deg C
HAM-HGWA-42D	WG	Grab			8/5/2025	1122	2						X	Temp= 20 deg C
					ZW 8/5/2025									

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Vang

AcctNum / Client ID:

Table #:

Profile / Template: 16483

Prelog / Bottle Ord. ID: EZ 3283422

Preservation non-conformance identifier for sample.

Additional Instructions from Pace®

Task Code: HAM-CCR-ASSMT-202552

Collected By:

(Printed Name) Zain Webb, Jamie Newsome

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp (°C)	Corrected Temp (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 8/6/2025 1040	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Jan Williams / Pace	Date/Time: 8/6/2025 1550	Received by/Company: (Signature) 8/6/25	Date/Time: 1550	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123

Pace

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: CA Power

Project #:

WO#: 92811484

PM: BV **Due Date: 08/21/25**

CLIENT: 92- GP-HAM

Courier: ☐ Commercial ☑ Fed-Ex ☐ UPS ☐ USPS ☑ Pace ☐ Client ☐ Other:____

Custody Seal Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 8/11/25 CDK

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 083 **Type of Ice:** ☑ Wet ☐ Blue ☐ None

Cooler Temp: 1.8 **Correction Factor:** Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 1.8

Temp should be above freezing to 6°C

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

USDA Regulated Soil (☐ N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ **Date:** _____

Project Manager SRF Review: _____ **Date:** _____

WO#: 92811484

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

PM: BV Due Date: 08/21/25
CLIENT: 92- GP-HAM

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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

pH Adjustment Log for Preserved Samples

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

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

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO#: 92811484

PM: BV Due Date: 08/21/25

CLIENT: 92- GP-HAM

Company Name:	Georgia Power- Hammond	Contact/Report To:	Kristen Jurinko
Street Address:	241 Ralph McGill Blvd NE Bin 10160 Atlanta, GA 30308	Phone #:	470-217-0008
		E-Mail:	knjurink@southernco.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Plant Hammond-(AP-2)-2nd SA	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	GPC82474-0011
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW) Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-Cl, SO4, F	APP III/IV Metals	RAD 226/228	Sample Comment
							Specify Container Size **			3	2	2x3	2x1	
							Identify Container Preservative Type***			1	1	2	2	
							Analysis Requested							
HAM-HGWC-14	WG	Grab			8/8/2025	1315	6			X	X	X	X	Temp = 28 °C
HAM-HGWC-15	WG	Grab			8/8/2025	1100	6			X	X	X	X	Temp = 20 °C
HAM-HGWC-16	WG	Grab	JN 8/8/2025		8/8/2025	1327	6	JN 8/8/2025		X	X	X	X	Temp = 21 °C
HAM-HGWC-17	WG	Grab			8/8/2025	1155	6			X	X	X	X	Temp = 20 °C
HAM-HGWC-18	WG	Grab			8/8/2025	0955	6			X	X	X	X	Temp = 20 °C
HAM-MW-21D	WG	Grab			8/8/2025	1605	6			X	X	X	X	Temp = 20 °C
HAM-MW-33	WG	Grab			8/8/2025	1445	6			X	X	X	X	Temp = 23 °C
HAM-MW-34D	WG	Grab			8/8/2025	1600	6			X	X	X	X	Temp = 21 °C
HAM-MW-35	WG	Grab			8/8/2025	1030	6			X	X	X	X	Temp = 19 °C
HAM-MW-51	WG	Grab			8/8/2025	1156	6			X	X	X	X	Temp = 18 °C

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Vang

AcctNum / Client ID:

Table #:

Profile / Template: 16483

Prelog / Bottle Ord. ID: EZ 3283422

Preservation non-conformance identified for sample:

Additional Instructions from Pace®:
Task Code: HAM-CCR-ASSMT-202552

Collected By (Printed Name): Jamie Newsome, Amanda Tomlinson, Zain Webb

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Amanda DT / GeoSyntec	8/11/2025 1230	Ryan Williams / Pace	8/11/2025 1230	
Ryan Williams / Pace	8/11/2025 1440		8/11/25 1440	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 2

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 92811484

PM: BV Due Date: 08/21/25

CLIENT: 92- GP-HAM

Company Name:	Georgia Power- Hammond	Contact/Report To:	Kristen Jurinko
Street Address:	241 Ralph McGill Blvd NE Bin 10160 Atlanta, GA 30308	Phone #:	470-217-0008
		E-Mail:	knjurink@southernco.com
		Cc E-Mail:	
Customer Project #			
Project Name:	Plant Hammond-(AP-2)-2nd SA	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	GPC82474 0011
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 2 | 3 | 2x3 | 2x1

Identify Container Preservative Type***: 1 | 1 | 2 | 2

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-Cl, SO4, F	APP III/IV Metals	RAD 226/228	Sample Comment
HAM-AP2-FD-01	WQ	Grab	JN 8/8/2025		8/8/2025	0000	6	JN 8/8/2025		X	X	X	X	Temp = 20 °C
HAM-AP2-EB-01	WQ	Grab			8/8/2025	1610	6			X	X	X	X	Temp = 20 °C
HAM-AP2-FB 01	WQ	Grab			8/8/2025	1605	6			X	X	X	X	Temp = 20 °C
														Last Sample
					JN 8/8/2025									

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Vang

AcctNum / Client ID:

Table #:

Profile / Template: 16483

Prelog / Bottle Ord. ID: EZ 3283422

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Task Code: HAM-CCR-ASSMT-2025S2

Collected By: (Printed Name) Jamie Newsome, Amanda Tomlinson, Zain Webb

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs Temp (°C) Corrected Temp (°C) On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)*	Date/Time:	Tracking Number:
Amanda / Geosyntec	8/11/2025 1230	Ryan Williams / Pace	8/11/2025 1230	
Ryan Williams / Pace	8/11/2025 1440		8/11/25 1440	Delivered by: [ ] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 2 of 2

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

August 29, 2025

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory between August 06, 2025 and August 11, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

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

Sincerely,

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

Enclosures

cc: Kip Gray, Geosyntec
Christine Hug, Geosyntec Consultants, Inc.
Thomas Kessler, Geosyntec Consultants
Whitney Law, Geosyntec Consultants
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec Consultants, Inc
Jamie Newsome, Geosyntec Consultants
Amanda Tomlinson, Geosyntec Consultants
Zain Webb, Geosyntec Consultants

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92811492001	**HAM-HGWA-4**	Water	08/05/25 10:12	08/06/25 15:50
92811492002	**HAM-HGWA-5**	Water	08/05/25 11:25	08/06/25 15:50
92811492003	**HAM-HGWA-6**	Water	08/05/25 10:01	08/06/25 15:50
92811492004	**HAM-HGWA-42D**	Water	08/05/25 11:22	08/06/25 15:50
92811492005	**HAM-HGWC-14**	Water	08/08/25 13:15	08/11/25 14:40
92811492006	**HAM-HGWC-15**	Water	08/08/25 11:00	08/11/25 14:40
92811492007	**HAM-HGWC-16**	Water	08/08/25 13:27	08/11/25 14:40
92811492008	**HAM-HGWC-17**	Water	08/08/25 11:55	08/11/25 14:40
92811492009	**HAM-HGWC-18**	Water	08/08/25 09:55	08/11/25 14:40
92811492010	**HAM-MW-21D**	Water	08/08/25 16:05	08/11/25 14:40
92811492011	**HAM-MW-33**	Water	08/08/25 14:45	08/11/25 14:40
92811492012	**HAM-MW-34D**	Water	08/08/25 16:00	08/11/25 14:40
92811492013	**HAM-MW-35**	Water	08/08/25 10:30	08/11/25 14:40
92811492014	**HAM-MW-51**	Water	08/08/25 11:56	08/11/25 14:40
92811492015	**HAM-AP2-FD-01**	Water	08/08/25 00:00	08/11/25 14:40
92811492016	**HAM-AP2-EB-01**	Water	08/08/25 16:10	08/11/25 14:40
92811492017	**HAM-AP2-FB-01**	Water	08/08/25 16:05	08/11/25 14:40

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92811492001	**HAM-HGWA-4**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92811492002	**HAM-HGWA-5**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92811492003	**HAM-HGWA-6**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92811492004	**HAM-HGWA-42D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92811492005	**HAM-HGWC-14**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811492006	**HAM-HGWC-15**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811492007	**HAM-HGWC-16**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811492008	**HAM-HGWC-17**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811492009	**HAM-HGWC-18**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811492010	**HAM-MW-21D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811492011	**HAM-MW-33**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811492012	**HAM-MW-34D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811492013	**HAM-MW-35**	EPA 9315	SLC	1	PASI-PA

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811492014	**HAM-MW-51**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811492015	**HAM-AP2-FD-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811492016	**HAM-AP2-EB-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92811492017	**HAM-AP2-FB-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SUMMARY OF DETECTION

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811492001	**HAM-HGWA-4**					
EPA 9315	Radium-226	0.129U ± 0.330 (0.777) C:87% T:NA	pCi/L		08/26/25 09:55	
EPA 9320	Radium-228	0.408U ± 0.359 (0.724) C:80% T:90%	pCi/L		08/22/25 14:37	
Total Radium Calculation	Total Radium	0.537U ± 0.689 (1.50)	pCi/L		08/27/25 15:40	
92811492002	**HAM-HGWA-5**					
EPA 9315	Radium-226	-0.116U ± 0.154 (0.515) C:92% T:NA	pCi/L		08/26/25 09:52	
EPA 9320	Radium-228	0.733U ± 0.447 (0.835) C:71% T:93%	pCi/L		08/22/25 14:37	
Total Radium Calculation	Total Radium	0.733U ± 0.601 (1.35)	pCi/L		08/27/25 15:40	
92811492003	**HAM-HGWA-6**					
EPA 9315	Radium-226	0.144U ± 0.221 (0.488) C:93% T:NA	pCi/L		08/26/25 09:52	
EPA 9320	Radium-228	0.166U ± 0.381 (0.846) C:71% T:89%	pCi/L		08/22/25 14:37	
Total Radium Calculation	Total Radium	0.310U ± 0.602 (1.33)	pCi/L		08/27/25 15:40	
92811492004	**HAM-HGWA-42D**					
EPA 9315	Radium-226	0.359U ± 0.295 (0.556) C:97% T:NA	pCi/L		08/26/25 09:52	
EPA 9320	Radium-228	0.226U ± 0.356 (0.772) C:67% T:92%	pCi/L		08/22/25 14:37	
Total Radium Calculation	Total Radium	0.585U ± 0.651 (1.33)	pCi/L		08/27/25 15:40	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SUMMARY OF DETECTION

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811492005	**HAM-HGWC-14**					
EPA 9315	Radium-226	0.206U ± 0.236 (0.494) C:69% T:NA	pCi/L		08/28/25 08:25	
EPA 9320	Radium-228	0.597U ± 0.382 (0.704) C:80% T:78%	pCi/L		08/28/25 14:48	
Total Radium Calculation	Total Radium	0.803U ± 0.618 (1.20)	pCi/L		08/29/25 14:27	
92811492006	**HAM-HGWC-15**					
EPA 9315	Radium-226	-0.0666U ± 0.144 (0.440) C:80% T:NA	pCi/L		08/28/25 08:25	
EPA 9320	Radium-228	0.337U ± 0.344 (0.709) C:75% T:90%	pCi/L		08/28/25 14:48	
Total Radium Calculation	Total Radium	0.337U ± 0.488 (1.15)	pCi/L		08/29/25 14:27	
92811492007	**HAM-HGWC-16**					
EPA 9315	Radium-226	0.159U ± 0.239 (0.533) C:85% T:NA	pCi/L		08/28/25 08:25	
EPA 9320	Radium-228	0.479U ± 0.449 (0.917) C:77% T:74%	pCi/L		08/28/25 14:48	
Total Radium Calculation	Total Radium	0.638U ± 0.688 (1.45)	pCi/L		08/29/25 14:27	
92811492008	**HAM-HGWC-17**					
EPA 9315	Radium-226	-0.0112U ± 0.172 (0.452) C:93% T:NA	pCi/L		08/28/25 08:25	
EPA 9320	Radium-228	-0.0783U ± 0.358 (0.862) C:73% T:77%	pCi/L		08/28/25 14:48	
Total Radium Calculation	Total Radium	0.000U ± 0.530 (1.31)	pCi/L		08/29/25 14:27	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811492009	**HAM-HGWC-18**					
EPA 9315	Radium-226	0.0171U ± 0.176 (0.450) C:85% T:NA	pCi/L		08/28/25 08:25	
EPA 9320	Radium-228	0.462U ± 0.403 (0.810) C:75% T:82%	pCi/L		08/28/25 14:48	
Total Radium Calculation	Total Radium	0.479U ± 0.579 (1.26)	pCi/L		08/29/25 14:27	
92811492010	**HAM-MW-21D**					
EPA 9315	Radium-226	-0.0763U ± 0.128 (0.388) C:86% T:NA	pCi/L		08/29/25 08:14	
EPA 9320	Radium-228	0.483U ± 0.546 (1.15) C:72% T:85%	pCi/L		08/28/25 14:48	
Total Radium Calculation	Total Radium	0.483U ± 0.674 (1.54)	pCi/L		08/29/25 14:27	
92811492011	**HAM-MW-33**					
EPA 9315	Radium-226	0.297U ± 0.216 (0.398) C:93% T:NA	pCi/L		08/29/25 08:14	
EPA 9320	Radium-228	0.898U ± 0.536 (1.01) C:76% T:85%	pCi/L		08/28/25 14:48	
Total Radium Calculation	Total Radium	1.20U ± 0.752 (1.41)	pCi/L		08/29/25 14:27	
92811492012	**HAM-MW-34D**					
EPA 9315	Radium-226	0.110U ± 0.187 (0.424) C:93% T:NA	pCi/L		08/29/25 08:16	
EPA 9320	Radium-228	0.361U ± 0.476 (1.02) C:70% T:92%	pCi/L		08/28/25 14:48	
Total Radium Calculation	Total Radium	0.471U ± 0.663 (1.44)	pCi/L		08/29/25 14:27	

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SUMMARY OF DETECTION

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811492013	**HAM-MW-35**					
EPA 9315	Radium-226	0.159U ± 0.180 (0.377) C:87% T:NA	pCi/L		08/29/25 08:17	
EPA 9320	Radium-228	1.31 ± 0.586 (0.991) C:75% T:89%	pCi/L		08/28/25 14:49	
Total Radium Calculation	Total Radium	1.47 ± 0.766 (1.37)	pCi/L		08/29/25 14:27	
92811492014	**HAM-MW-51**					
EPA 9315	Radium-226	0.189U ± 0.218 (0.466) C:88% T:NA	pCi/L		08/29/25 08:17	
EPA 9320	Radium-228	1.09 ± 0.543 (0.962) C:76% T:83%	pCi/L		08/28/25 14:49	
Total Radium Calculation	Total Radium	1.28U ± 0.761 (1.43)	pCi/L		08/29/25 14:27	
92811492015	**HAM-AP2-FD-01**					
EPA 9315	Radium-226	0.232U ± 0.189 (0.364) C:97% T:NA	pCi/L		08/29/25 08:18	
EPA 9320	Radium-228	1.56 ± 0.652 (1.06) C:70% T:86%	pCi/L		08/28/25 14:49	
Total Radium Calculation	Total Radium	1.79 ± 0.841 (1.42)	pCi/L		08/29/25 14:27	
92811492016	**HAM-AP2-EB-01**					
EPA 9315	Radium-226	-0.0463U ± 0.180 (0.480) C:82% T:NA	pCi/L		08/29/25 08:18	
EPA 9320	Radium-228	-0.322U ± 0.375 (0.928) C:74% T:92%	pCi/L		08/28/25 14:49	
Total Radium Calculation	Total Radium	0.000U ± 0.555 (1.41)	pCi/L		08/29/25 14:27	

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SUMMARY OF DETECTION

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92811492017	**HAM-AP2-FB-01**					
EPA 9315	Radium-226	-0.0597U ± 0.142 (0.402) C:91% T:NA	pCi/L		08/29/25 08:18	
EPA 9320	Radium-228	0.480U ± 0.436 (0.891) C:75% T:88%	pCi/L		08/28/25 14:49	
Total Radium Calculation	Total Radium	0.480U ± 0.578 (1.29)	pCi/L		08/29/25 14:27	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Sample: HAM-HGWA-4 **Lab ID: 92811492001** Collected: 08/05/25 10:12 Received: 08/06/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.129U ± 0.330 (0.777) C:87% T:NA**	pCi/L	08/26/25 09:55	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.408U ± 0.359 (0.724) C:80% T:90%**	pCi/L	08/22/25 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.537U ± 0.689 (1.50)**	pCi/L	08/27/25 15:40	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Sample: HAM-HGWA-5 **Lab ID: 92811492002** Collected: 08/05/25 11:25 Received: 08/06/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.116U ± 0.154 (0.515) C:92% T:NA**	pCi/L	08/26/25 09:52	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.733U ± 0.447 (0.835) C:71% T:93%**	pCi/L	08/22/25 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.733U ± 0.601 (1.35)**	pCi/L	08/27/25 15:40	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Sample: HAM-HGWA-6 **Lab ID: 92811492003** Collected: 08/05/25 10:01 Received: 08/06/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.144U ± 0.221 (0.488) C:93% T:NA**	pCi/L	08/26/25 09:52	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.166U ± 0.381 (0.846) C:71% T:89%**	pCi/L	08/22/25 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.310U ± 0.602 (1.33)**	pCi/L	08/27/25 15:40	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Sample: HAM-HGWA-42D **Lab ID: 92811492004** Collected: 08/05/25 11:22 Received: 08/06/25 15:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.359U ± 0.295 (0.556) C:97% T:NA**	pCi/L	08/26/25 09:52	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.226U ± 0.356 (0.772) C:67% T:92%**	pCi/L	08/22/25 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.585U ± 0.651 (1.33)**	pCi/L	08/27/25 15:40	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Sample: HAM-HGWC-14 **Lab ID: 92811492005** Collected: 08/08/25 13:15 Received: 08/11/25 14:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.206U ± 0.236 (0.494) C:69% T:NA**	pCi/L	08/28/25 08:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.597U ± 0.382 (0.704) C:80% T:78%**	pCi/L	08/28/25 14:48	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.803U ± 0.618 (1.20)**	pCi/L	08/29/25 14:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Sample: HAM-HGWC-15 **Lab ID: 92811492006** Collected: 08/08/25 11:00 Received: 08/11/25 14:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0666U ± 0.144 (0.440) C:80% T:NA**	pCi/L	08/28/25 08:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.337U ± 0.344 (0.709) C:75% T:90%**	pCi/L	08/28/25 14:48	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.337U ± 0.488 (1.15)**	pCi/L	08/29/25 14:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Sample: HAM-HGWC-16 **Lab ID: 92811492007** Collected: 08/08/25 13:27 Received: 08/11/25 14:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.159U ± 0.239 (0.533) C:85% T:NA**	pCi/L	08/28/25 08:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.479U ± 0.449 (0.917) C:77% T:74%**	pCi/L	08/28/25 14:48	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.638U ± 0.688 (1.45)**	pCi/L	08/29/25 14:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Sample: HAM-HGWC-17 **Lab ID: 92811492008** Collected: 08/08/25 11:55 Received: 08/11/25 14:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0112U ± 0.172 (0.452) C:93% T:NA**	pCi/L	08/28/25 08:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**-0.0783U ± 0.358 (0.862) C:73% T:77%**	pCi/L	08/28/25 14:48	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.000U ± 0.530 (1.31)**	pCi/L	08/29/25 14:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Sample: HAM-HGWC-18 **Lab ID: 92811492009** Collected: 08/08/25 09:55 Received: 08/11/25 14:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0171U ± 0.176 (0.450) C:85% T:NA**	pCi/L	08/28/25 08:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.462U ± 0.403 (0.810) C:75% T:82%**	pCi/L	08/28/25 14:48	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.479U ± 0.579 (1.26)**	pCi/L	08/29/25 14:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Sample: HAM-MW-21D **Lab ID: 92811492010** Collected: 08/08/25 16:05 Received: 08/11/25 14:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0763U ± 0.128 (0.388) C:86% T:NA**	pCi/L	08/29/25 08:14	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.483U ± 0.546 (1.15) C:72% T:85%**	pCi/L	08/28/25 14:48	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.483U ± 0.674 (1.54)**	pCi/L	08/29/25 14:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Sample: HAM-MW-33 **Lab ID: 92811492011** Collected: 08/08/25 14:45 Received: 08/11/25 14:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.297U ± 0.216 (0.398) C:93% T:NA**	pCi/L	08/29/25 08:14	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.898U ± 0.536 (1.01) C:76% T:85%**	pCi/L	08/28/25 14:48	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.20U ± 0.752 (1.41)**	pCi/L	08/29/25 14:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Sample: HAM-MW-34D **Lab ID: 92811492012** Collected: 08/08/25 16:00 Received: 08/11/25 14:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.110U ± 0.187 (0.424) C:93% T:NA**	pCi/L	08/29/25 08:16	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.361U ± 0.476 (1.02) C:70% T:92%**	pCi/L	08/28/25 14:48	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.471U ± 0.663 (1.44)**	pCi/L	08/29/25 14:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Sample: HAM-MW-35 **Lab ID: 92811492013** Collected: 08/08/25 10:30 Received: 08/11/25 14:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.159U ± 0.180 (0.377) C:87% T:NA**	pCi/L	08/29/25 08:17	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.31 ± 0.586 (0.991) C:75% T:89%**	pCi/L	08/28/25 14:49	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.47 ± 0.766 (1.37)**	pCi/L	08/29/25 14:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Sample: HAM-MW-51 **Lab ID: 92811492014** Collected: 08/08/25 11:56 Received: 08/11/25 14:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.189U ± 0.218 (0.466) C:88% T:NA**	pCi/L	08/29/25 08:17	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.09 ± 0.543 (0.962) C:76% T:83%**	pCi/L	08/28/25 14:49	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.28U ± 0.761 (1.43)**	pCi/L	08/29/25 14:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Sample: HAM-AP2-FD-01 **Lab ID: 92811492015** Collected: 08/08/25 00:00 Received: 08/11/25 14:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.232U ± 0.189 (0.364) C:97% T:NA**	pCi/L	08/29/25 08:18	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.56 ± 0.652 (1.06) C:70% T:86%**	pCi/L	08/28/25 14:49	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.79 ± 0.841 (1.42)**	pCi/L	08/29/25 14:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Sample: HAM-AP2-EB-01 **Lab ID: 92811492016** Collected: 08/08/25 16:10 Received: 08/11/25 14:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0463U ± 0.180 (0.480) C:82% T:NA**	pCi/L	08/29/25 08:18	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**-0.322U ± 0.375 (0.928) C:74% T:92%**	pCi/L	08/28/25 14:49	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.000U ± 0.555 (1.41)**	pCi/L	08/29/25 14:27	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Sample: HAM-AP2-FB-01 **Lab ID: 92811492017** Collected: 08/08/25 16:05 Received: 08/11/25 14:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0597U ± 0.142 (0.402) C:91% T:NA**	pCi/L	08/29/25 08:18	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.480U ± 0.436 (0.891) C:75% T:88%**	pCi/L	08/28/25 14:49	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.480U ± 0.578 (1.29)**	pCi/L	08/29/25 14:27	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

QC Batch: 764910 Analysis Method: EPA 9320
QC Batch Method: EPA 9320 Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92811492005, 92811492006, 92811492007, 92811492008, 92811492009, 92811492010, 92811492011, 92811492012, 92811492013, 92811492014, 92811492015, 92811492016, 92811492017

METHOD BLANK: 3728178 Matrix: Water
Associated Lab Samples: 92811492005, 92811492006, 92811492007, 92811492008, 92811492009, 92811492010, 92811492011, 92811492012, 92811492013, 92811492014, 92811492015, 92811492016, 92811492017

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.255 ± 0.335 (0.711) C:73% T:86%	pCi/L	08/28/25 14:47	

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

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

QC Batch: 763825
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92811492001, 92811492002, 92811492003, 92811492004

METHOD BLANK: 3722432 Matrix: Water
Associated Lab Samples: 92811492001, 92811492002, 92811492003, 92811492004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0834 ± 0.202 (0.480) C:94% T:NA	pCi/L	08/26/25 09:54	

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

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

QC Batch: 763994
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92811492001, 92811492002, 92811492003, 92811492004

METHOD BLANK: 3723177 Matrix: Water
Associated Lab Samples: 92811492001, 92811492002, 92811492003, 92811492004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.169 ± 0.334 (0.737) C:74% T:89%	pCi/L	08/22/25 14:36	

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

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

QC Batch: 764909 Analysis Method: EPA 9315
QC Batch Method: EPA 9315 Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92811492005, 92811492006, 92811492007, 92811492008, 92811492009, 92811492010, 92811492011, 92811492012, 92811492013, 92811492014, 92811492015, 92811492016, 92811492017

METHOD BLANK: 3728174 Matrix: Water
Associated Lab Samples: 92811492005, 92811492006, 92811492007, 92811492008, 92811492009, 92811492010, 92811492011, 92811492012, 92811492013, 92811492014, 92811492015, 92811492016, 92811492017

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.100 ± 0.242 (0.568) C:74% T:NA	pCi/L	08/28/25 08:22	

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

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QUALIFIERS

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

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

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 92811492

[1] GEOSYNTEC

[2] DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92811492001	**HAM-HGWA-4**	EPA 9315	763825		
92811492002	**HAM-HGWA-5**	EPA 9315	763825		
92811492003	**HAM-HGWA-6**	EPA 9315	763825		
92811492004	**HAM-HGWA-42D**	EPA 9315	763825		
92811492005	**HAM-HGWC-14**	EPA 9315	764909		
92811492006	**HAM-HGWC-15**	EPA 9315	764909		
92811492007	**HAM-HGWC-16**	EPA 9315	764909		
92811492008	**HAM-HGWC-17**	EPA 9315	764909		
92811492009	**HAM-HGWC-18**	EPA 9315	764909		
92811492010	**HAM-MW-21D**	EPA 9315	764909		
92811492011	**HAM-MW-33**	EPA 9315	764909		
92811492012	**HAM-MW-34D**	EPA 9315	764909		
92811492013	**HAM-MW-35**	EPA 9315	764909		
92811492014	**HAM-MW-51**	EPA 9315	764909		
92811492015	**HAM-AP2-FD-01**	EPA 9315	764909		
92811492016	**HAM-AP2-EB-01**	EPA 9315	764909		
92811492017	**HAM-AP2-FB-01**	EPA 9315	764909		
92811492001	**HAM-HGWA-4**	EPA 9320	763994		
92811492002	**HAM-HGWA-5**	EPA 9320	763994		
92811492003	**HAM-HGWA-6**	EPA 9320	763994		
92811492004	**HAM-HGWA-42D**	EPA 9320	763994		
92811492005	**HAM-HGWC-14**	EPA 9320	764910		
92811492006	**HAM-HGWC-15**	EPA 9320	764910		
92811492007	**HAM-HGWC-16**	EPA 9320	764910		
92811492008	**HAM-HGWC-17**	EPA 9320	764910		
92811492009	**HAM-HGWC-18**	EPA 9320	764910		
92811492010	**HAM-MW-21D**	EPA 9320	764910		
92811492011	**HAM-MW-33**	EPA 9320	764910		
92811492012	**HAM-MW-34D**	EPA 9320	764910		
92811492013	**HAM-MW-35**	EPA 9320	764910		
92811492014	**HAM-MW-51**	EPA 9320	764910		
92811492015	**HAM-AP2-FD-01**	EPA 9320	764910		
92811492016	**HAM-AP2-EB-01**	EPA 9320	764910		
92811492017	**HAM-AP2-FB-01**	EPA 9320	764910		
92811492001	**HAM-HGWA-4**	Total Radium Calculation	767371		
92811492002	**HAM-HGWA-5**	Total Radium Calculation	767371		
92811492003	**HAM-HGWA-6**	Total Radium Calculation	767371		
92811492004	**HAM-HGWA-42D**	Total Radium Calculation	767371		
92811492005	**HAM-HGWC-14**	Total Radium Calculation	767974		
92811492006	**HAM-HGWC-15**	Total Radium Calculation	767974		
92811492007	**HAM-HGWC-16**	Total Radium Calculation	767974		
92811492008	**HAM-HGWC-17**	Total Radium Calculation	767974		
92811492009	**HAM-HGWC-18**	Total Radium Calculation	767974		
92811492010	**HAM-MW-21D**	Total Radium Calculation	767974		
92811492011	**HAM-MW-33**	Total Radium Calculation	767974		
92811492012	**HAM-MW-34D**	Total Radium Calculation	767974		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Hammond-AP-2- RADs
Pace Project No.: 92811492

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92811492013	**HAM-MW-35**	Total Radium Calculation	767974		
92811492014	**HAM-MW-51**	Total Radium Calculation	767974		
92811492015	**HAM-AP2-FD-01**	Total Radium Calculation	767974		
92811492016	**HAM-AP2-EB-01**	Total Radium Calculation	767974		
92811492017	**HAM-AP2-FB-01**	Total Radium Calculation	767974		

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DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #

WO# : 92811492

92811492

Courier: ☐ Commercial ☑ Pace ☐ Fed Ex ☐ UPS ☐ USPS ☐ Other:____ ☐ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 8/6/25 (JH

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.2 Correction Factor: Add/Subtract (°C) 0.0

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

Cooler Temp Corrected (°C): 2.2

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

Qualtrax ID: 69614

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	VGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (pH 9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1			2																								
2		1	1			2																								
3		1	1			2																								
4		1	1			2																								
5					2																									
6					2																									
7					2																									
8					2																									
9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

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

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

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 92811492

PM: BV Due Date: 08/28/25

CLIENT: 92- GP-HAM

Company Name:	Georgia Power- Hammond
Street Address:	241 Ralph McGill Blvd NE Bin 10160 Atlanta, GA 30308
Customer Project #:	
Project Name:	Plant Hammond-(AP-2)-2nd SA
Site Collection Info/Facility ID (as applicable):	
Contact/Report To:	Kristen Jurinko
Phone #:	470-217-0008
E-Mail:	knjurink@southernco.com
Cc E-Mail:	
Invoice To:	Account Payable
Invoice E-Mail:	georgiapowerinvoices@southernco.com
Purchase Order # (if applicable):	GPC82474-0011
Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-Cl, SO4, F	APP III/IV Metals	RAD 226/228	Sample Comment
HAM-HGWA-4	WG	Grab			8/5/2025	1012	4			X	X	X		Temp= 20 deg C
HAM-HGWA-5	WG	Grab			8/5/2025	1125	4			X	X	X		Temp= 19 deg C
HAM-HGWA-6	WG	Grab			8/5/2025	1001	4			X	X	X		Temp= 19 deg C
HAM-HGWA-42D	WG	Grab			8/5/2025	1122	4			X	X	X		Temp= 20 deg C
HAM-HGWA-4	WG	Grab	ZW 8/5/2025		8/5/2025	1012	2	ZW 8/5/2025					X	Temp= 20 deg C 001
HAM-HGWA-5	WG	Grab			8/5/2025	1125	2						X	Temp= 19 deg C 002
HAM-HGWA-6	WG	Grab			8/5/2025	1001	2						X	Temp= 19 deg C 003
HAM-HGWA-42D	WG	Grab			8/5/2025	1122	2						X	Temp= 20 deg C 004
					ZW 8/5/2025									

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Vang
AcctNum / Client ID:
Table #:
Profile / Template: 16483
Prelog / Bottle Ord. ID: EZ 3283422

Preservation non-conformance identifier for sample:

Additional Instructions from Pace®:
Task Code: HAM-CCR-ASSMT-202552

Collected By:
(Printed Name) Zain Webb, Jamie Newsome
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp (°C)	Corrected Temp (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 8/6/2025 1040	
Relinquished by/Company: (Signature) Ryan Williams / Pace	Date/Time: 8/6/2025 1550	Received by/Company: (Signature) 8/6/25	Date/Time: 1540	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:			Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123

Pace

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mecr ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: CA Power

Project #: WO#: 92811492

PM: BV Due Date: 08/26/25

CLIENT: 92- GP-HAM

Courier: ☐ Commercial ☐ Fed-Ex ☑ Pace ☐ UPS ☐ USPS ☐ Other: ☐ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 8/11/25 CSL

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 083 Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 1.8 Correction Factor: Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 1.8

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

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92811492

PM: BV Due Date: 08/26/25
CLIENT: 92- GP-HAM

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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

pH Adjustment Log for Preserved Samples

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

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

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO#: 92811492

PM: BV **Due Date: 08/26/25**

CLIENT: 92- GP-HAM

Company Name:	Georgia Power- Hammond	Contact/Report To:	Kristen Jurinko
Street Address:	241 Ralph McGill Blvd NE Bin 10160 Atlanta, GA 30308	Phone #:	470-217-0008
		E-Mail:	knjurink@southernco.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Plant Hammond-(AP-2)-2nd SA	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	GPC82474-0011
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other _____

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW) Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-Cl, SO4, F	APP III/IV Metals	RAD 226/228	Sample Comment
HAM-HGWC-14	WG	Grab			8/8/2025	1315	6			X	X	X	X	Temp = 28 °C
HAM-HGWC-15	WG	Grab			8/8/2025	1100	6			X	X	X	X	Temp = 20 °C
HAM-HGWC-16	WG	Grab	JN 8/8/2025		8/8/2025	1327	6	JN 8/8/2025		X	X	X	X	Temp = 21 °C
HAM-HGWC-17	WG	Grab			8/8/2025	1155	6			X	X	X	X	Temp = 20 °C
HAM-HGWC-18	WG	Grab			8/8/2025	0955	6			X	X	X	X	Temp = 20 °C
HAM-MW-21D	WG	Grab			8/8/2025	1605	6			X	X	X	X	Temp = 20 °C
HAM-MW-33	WG	Grab			8/8/2025	1445	6			X	X	X	X	Temp = 23 °C
HAM-MW-34D	WG	Grab			8/8/2025	1600	6			X	X	X	X	Temp = 21 °C
HAM-MW-35	WG	Grab			8/8/2025	1030	6			X	X	X	X	Temp = 19 °C
HAM-MW-51	WG	Grab			8/8/2025	1156	6			X	X	X	X	Temp = 18 °C

Specify Container Size **: 3 | 2 | 2x3 | 2x1

Identify Container Preservative Type***: 1 | 1 | 2 | 2

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Vang

AcctNum / Client ID:

Table #:

Profile / Template: 16483

Prelog / Bottle Ord. ID: EZ 3283422

Preservation non-conformance identifies for sample.

Additional Instructions from Pace®:
Task Code: HAM-CCR-ASSMT-202552

Collected By: Jamie Newsome, Amanda Tomlinson, Zain Webb
(Printed Name)

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Ryan W. Williams / Pace	8/11/2025 1230	Ryan W. Williams / Pace	8/11/2025 1230	
Ryan W. Williams / Pace	8/11/2025 1440	Received by/Company: (Signature)	Date/Time: 8/11/25 1440	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company. (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 2

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO#: 92811492

PM: BV **Due Date: 08/26/25**

CLIENT: 92- GP-HAM

Company Name:	Georgia Power- Hammond	Contact/Report To:	Kristen Jurinko
Street Address:	241 Ralph McGill Blvd NE Bin 10160 Atlanta, GA 30308	Phone #:	470-217-0008
		E-Mail:	knjurink@southernco.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Plant Hammond-(AP-2)-2nd SA	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	GPC82474-0011
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Georgia

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other _____

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 2 | 3 | 2x3 | 2x1

Identify Container Preservative Type***: 1 | 1 | 2 | 2

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-Cl, SO4, F	APP III/IV Metals	RAD 226/228	Sample Comment
HAM-AP2-FD-01	WQ	Grab	JN 8/8/2025		8/8/2025	0000	6	JN 8/8/2025		X	X	X	X	Temp = 20 °C
HAM-AP2-EB-01	WQ	Grab			8/8/2025	1610	6			X	X	X	X	Temp = 20 °C
HAM-AP2-FB-01	WQ	Grab			8/8/2025	1605	6			X	X	X	X	Temp = 20 °C
														Last Sample
					JN 8/8/2025									

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100ml, (6) 40ml vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: Bonnie Vang
AcctNum / Client ID:
Table #:
Profile / Template: 16483
Prelog / Bottle Ord. ID: EZ 3283422

Preservation non conformance identified for sample:

Additional Instructions from Pace®:
Task Code: HAM-CCR-ASSMT-2025S2

Collected By: (Printed Name) Jamie Newsome, Amanda Tomlinson, Zain Webb
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp (°C)	On Ice:

	Date/Time:		Date/Time:	
Relinquished by/Company: (Signature) Amanda Tomlinson / Georgia Pac	8/11/2025 1230	Received by/Company: (Signature) Kylan Williams / Pace	8/11/2025	1230
Relinquished by/Company: (Signature) Kylan Williams / Pace	8/11/2025 1440	Received by/Company: (Signature)	8/11/25	1440
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Page: 2 of 2

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ENV-FRM-CORQ-0019_v02_110123 ©

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-228
Analyst:	VAL
Date:	8/15/2025
Worklist:	86556
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3723177
MB concentration:	0.169
M/B 2 Sigma CSU:	0.334
MB MDC:	0.737
MB Numerical Performance Indicator:	0.99
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86556	LCSD86556
Count Date:	8/22/2025	8/22/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.529	31.529
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.818	0.822
Target Conc. (pCi/L, g, F):	3.856	3.837
Uncertainty (Calculated):	0.189	0.188
Result (pCi/L, g, F):	3.265	2.614
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.792	0.665
Numerical Performance Indicator:	-1.42	-3.47
Percent Recovery:	84.69%	68.13%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS86556	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD86556	
Sample Result (pCi/L, g, F):	3.265	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.792	
Sample Duplicate Result (pCi/L, g, F):	2.614	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.665	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	1.233	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	21.67%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

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

Comments:

8/25/25

Quality Control Sample Performance Assessment

Pace Analytical
www.pacelabs.com

Analyst Must Manually Enter All Fields Highlighted In Yellow.

Test:	Ra-228
Analyst:	VAL
Date:	8/21/2025
Worklist:	86629
Matrix:	WT

Method Blank Assessment	
MB Sample ID	3728178
MB concentration:	0.255
M/B 2 Sigma CSU:	0.335
MB MDC:	0.711
MB Numerical Performance Indicator:	1.49
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86629	**LCSD86629**
Count Date:	8/28/2025	8/28/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.465	31.465
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.823	0.822
Target Conc. (pCi/L, g, F):	3.821	3.828
Uncertainty (Calculated):	0.187	0.188
Result (pCi/L, g, F):	3.002	4.005
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.761	0.937
Numerical Performance Indicator:	-2.05	0.36
Percent Recovery:	78.54%	104.63%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS86629	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD86629	
Sample Result (pCi/L, g, F):	3.002	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.761	
Sample Duplicate Result (pCi/L, g, F):	4.005	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.937	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-1.629	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	28.49%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

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

Comments:

ET 8-29-25

8/29/25

Quality Control Sample Performance Assessment

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test:	Ra-226
Analyst:	SLC
Date:	8/25/2025
Worklist:	86546
Matrix:	WT

Method Blank Assessment	
MB Sample ID	3722432
MB concentration:	0.083
M/B 2 Sigma CSU:	0.202
MB MDC:	0.480
MB Numerical Performance Indicator:	0.81
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86546	LCSD86546
Count Date:	8/27/2025	8/27/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.009	25.009
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.505	0.507
Target Conc. (pCi/L, g, F):	4.951	4.937
Uncertainty (Calculated):	0.233	0.232
Result (pCi/L, g, F):	3.820	5.418
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.824	1.065
Numerical Performance Indicator:	-2.59	0.86
Percent Recovery:	77.17%	109.73%
Status vs Numerical Indicator:	Warning	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS86546	92810485029
Duplicate Sample I.D.	LCSD86546	92810485029DUP
Sample Result (pCi/L, g, F):	3.820	-0.063
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.824	0.212
Sample Duplicate Result (pCi/L, g, F):	5.418	0.084
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.065	0.202
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-2.325	-0.986
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	34.84%	1372.70%
Duplicate Status vs Numerical Indicator:	Warning	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

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

Comments:

VAM 8/27/25

CT 8-27-25

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	8/25/2025
Worklist:	86628
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3728174
MB concentration:	0.100
M/B 2 Sigma CSU:	0.242
MB MDC:	0.568
MB Numerical Performance Indicator:	0.81
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86628	LCSD86628
Count Date:	8/29/2025	8/29/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.009	25.009
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.509	0.505
Target Conc. (pCi/L, g, F):	4.918	4.948
Uncertainty (Calculated):	0.231	0.233
Result (pCi/L, g, F):	4.845	4.924
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.945	0.946
Numerical Performance Indicator:	-0.15	-0.05
Percent Recovery:	98.52%	99.52%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS86628	92811492017
Duplicate Sample I.D.	LCSD86628	92811492017DUP
Sample Result (pCi/L, g, F):	4.845	-0.060
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.945	0.142
Sample Duplicate Result (pCi/L, g, F):	4.924	0.125
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.946	0.175
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-0.116	-1.603
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	1.02%	566.10%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

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

Comments:

ET 8-29-25

UMM 8/29/25

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110 Technology Parkway
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(770)734-4200

August 13, 2025

Priya Rachel Johnson
ARCADIS US, Inc. - Atlanta
2839 Paces Ferry Rd
Suite 900
Atlanta, GA 30339

RE: Project: Plant Hammond/CCR-Ash Pond
Pace Project No.: 92810821

Dear Priya Johnson:

Enclosed are the analytical results for sample(s) received by the laboratory on August 05, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Asheville
- Pace Analytical Services - West Columbia

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

Sincerely,

Maiya Parks
maiya.parks@pacelabs.com
770-734-4205
Project Manager

Enclosures

cc: Jordan Gamble, ARCADIS US, Inc. - Atlanta
Ben Hodges, Southern Company
Christine Hug, Geosyntec Consultants, Inc.
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec Consultants, Inc
Noelia Muskus Ruiz, Georgia Power
Tina Sullivan, ERM

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CERTIFICATIONS

Project: Plant Hammond/CCR-Ash Pond
Pace Project No.: 92810821

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services West Columbia

106 Vantage Point Drive, West Columbia, SC 29172
Alaska Dept. of Energy Conservation, Cert# 20-002
California ELAP, cert# 3049
DoD, DoD QSM V5.4, cert# I.2224
DOE, DoD/DOE QSM V5.4, cert# I.2224.01
Florida, Dept. of Health, cert# E87653-70
Georgia, Env. Protection Division, cert# E87653
Illinois, EPA NELAP, cert# 2000552024-9
Kansas, Dept. of Health and Environment, cert# E-10417
Kentucky, Dept. for Env. Protection, UST, cert# 103582
Kentucky, Dept. for Env. Protection, cert# 98037
Louisiana, Dept. of Environmental Quality, cert# 5125
North Carolina, DEQ, Water Resources, cert# 329
New Jersey, Dept. of Env. Protection, cert# NLC 240005
Oklahoma, Dept. of Env. Quality, cert# 2023-175
Oregon, ELAP, cert# 4181-006
Pennsylvania, Dept. of Env. Protection, cert# 003
South Carolina, Dept. of Env. Services, cert# 32010001
Texas, Commission on Env. Quality, cert# TX-C24-00083
Virginia, Dept. of General Services, cert# 13080
Wisconsin, Dept. of Natural Resources, cert# 399136100

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SAMPLE SUMMARY

Project: Plant Hammond/CCR-Ash Pond
Pace Project No.: 92810821

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92810821001	**HAM-AP2-Up**	Water	08/04/25 11:54	08/05/25 11:59
92810821002	**HAM-AP2-Mid**	Water	08/04/25 11:37	08/05/25 11:59
92810821003	**HAM-AP2-Down**	Water	08/04/25 09:54	08/05/25 11:59
92810821004	**HAM-H+0.35**	Water	08/04/25 10:02	08/05/25 11:59
92810821005	**HAM-H+0.75**	Water	08/04/25 09:46	08/05/25 11:59

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SAMPLE ANALYTE COUNT

Project: Plant Hammond/CCR-Ash Pond
Pace Project No.: 92810821

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92810821001	**HAM-AP2-Up**	SM 2540C-2015	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	EM	2	PASI-WC
		EPA 6020B	BW	1	PASI-WC
92810821002	**HAM-AP2-Mid**	SM 2540C-2015	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	EM	2	PASI-WC
		EPA 6020B	BW	1	PASI-WC
92810821003	**HAM-AP2-Down**	SM 2540C-2015	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	EM	2	PASI-WC
		EPA 6020B	BW	1	PASI-WC
92810821004	**HAM-H+0.35**	SM 2540C-2015	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	EM	2	PASI-WC
		EPA 6020B	BW	1	PASI-WC
92810821005	**HAM-H+0.75**	SM 2540C-2015	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	EM	2	PASI-WC
		EPA 6020B	BW	1	PASI-WC

PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

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ANALYTICAL RESULTS

Project: Plant Hammond/CCR-Ash Pond
Pace Project No.: 92810821

Sample: HAM-AP2-Up **Lab ID: 92810821001** Collected: 08/04/25 11:54 Received: 08/05/25 11:59 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville							
Total Dissolved Solids	**142**	mg/L	25.0	1		08/08/25 16:22		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**1.3**	mg/L	1.0	1		08/06/25 05:53	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/06/25 05:53	16984-48-8	
Sulfate	**7.1**	mg/L	1.0	1		08/06/25 05:53	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	08/07/25 11:36	08/08/25 09:40	7440-42-8	
Calcium	**39.8**	mg/L	5.0	1	08/07/25 11:36	08/08/25 09:40	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	08/07/25 11:36	08/08/25 09:37	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Hammond/CCR-Ash Pond
Pace Project No.: 92810821

Sample: HAM-AP2-Mid **Lab ID: 92810821002** Collected: 08/04/25 11:37 Received: 08/05/25 11:59 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville							
Total Dissolved Solids	**133**	mg/L	25.0	1		08/08/25 16:22		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**1.5**	mg/L	1.0	1		08/06/25 06:36	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/06/25 06:36	16984-48-8	
Sulfate	**10.8**	mg/L	1.0	1		08/06/25 06:36	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	08/07/25 11:36	08/08/25 09:54	7440-42-8	
Calcium	**39.6**	mg/L	5.0	1	08/07/25 11:36	08/08/25 09:54	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	08/07/25 11:36	08/08/25 09:47	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Hammond/CCR-Ash Pond
Pace Project No.: 92810821

Sample: HAM-AP2-Down **Lab ID: 92810821003** Collected: 08/04/25 09:54 Received: 08/05/25 11:59 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville							
Total Dissolved Solids	**102**	mg/L	25.0	1		08/08/25 16:23		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**4.9**	mg/L	1.0	1		08/06/25 06:51	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/06/25 06:51	16984-48-8	
Sulfate	**7.0**	mg/L	1.0	1		08/06/25 06:51	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	08/07/25 11:36	08/08/25 09:57	7440-42-8	
Calcium	**19.3**	mg/L	5.0	1	08/07/25 11:36	08/08/25 09:57	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	08/07/25 11:36	08/08/25 09:57	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Hammond/CCR-Ash Pond
Pace Project No.: 92810821

Sample: HAM-H+0.35 **Lab ID: 92810821004** Collected: 08/04/25 10:02 Received: 08/05/25 11:59 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville							
Total Dissolved Solids	**98.0**	mg/L	25.0	1		08/08/25 16:23		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**4.8**	mg/L	1.0	1		08/06/25 07:05	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/06/25 07:05	16984-48-8	
Sulfate	**5.9**	mg/L	1.0	1		08/06/25 07:05	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	08/07/25 11:36	08/08/25 10:00	7440-42-8	
Calcium	**18.4**	mg/L	5.0	1	08/07/25 11:36	08/08/25 10:00	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	08/07/25 11:36	08/08/25 10:07	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Hammond/CCR-Ash Pond
Pace Project No.: 92810821

Sample: HAM-H+0.75 **Lab ID: 92810821005** Collected: 08/04/25 09:46 Received: 08/05/25 11:59 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville							
Total Dissolved Solids	**99.0**	mg/L	25.0	1		08/08/25 16:23		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**4.8**	mg/L	1.0	1		08/06/25 07:20	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/06/25 07:20	16984-48-8	
Sulfate	**7.2**	mg/L	1.0	1		08/06/25 07:20	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	08/07/25 11:36	08/08/25 10:08	7440-42-8	
Calcium	**18.9**	mg/L	5.0	1	08/07/25 11:36	08/08/25 10:08	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	08/07/25 11:36	08/08/25 10:17	7440-48-4	

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QUALITY CONTROL DATA

Project: Plant Hammond/CCR-Ash Pond
Pace Project No.: 92810821

QC Batch: 952723 | Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92810821001, 92810821002, 92810821003, 92810821004, 92810821005

METHOD BLANK: 4896266 Matrix: Water
Associated Lab Samples: 92810821001, 92810821002, 92810821003, 92810821004, 92810821005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	08/08/25 16:21	

LABORATORY CONTROL SAMPLE: 4896267

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	244	98	90-110	

SAMPLE DUPLICATE: 4896268

Parameter	Units	92810806001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	223	219	2	25	

SAMPLE DUPLICATE: 4896269

Parameter	Units	92810821004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	98.0	92.0	6	25	

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QUALITY CONTROL DATA

Project: Plant Hammond/CCR-Ash Pond
Pace Project No.: 92810821

QC Batch: 952111
QC Batch Method: EPA 9056A
Analysis Method: EPA 9056A
Analysis Description: 9056 IC anions 28 Days
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92810821001, 92810821002, 92810821003, 92810821004, 92810821005

METHOD BLANK: 4892325 Matrix: Water
Associated Lab Samples: 92810821001, 92810821002, 92810821003, 92810821004, 92810821005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	08/05/25 22:40	
Fluoride	mg/L	ND	0.10	08/05/25 22:40	
Sulfate	mg/L	ND	1.0	08/05/25 22:40	

LABORATORY CONTROL SAMPLE: 4892326

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.0	100	90-110	
Fluoride	mg/L	2.5	2.7	106	90-110	
Sulfate	mg/L	50	49.5	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4892327 4892328

Parameter	Units	92810821001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	1.3	50	50	49.6	50.0	97	97	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.4	2.4	92	93	90-110	1	10	
Sulfate	mg/L	7.1	50	50	54.4	54.9	95	96	90-110	1	10	

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Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Plant Hammond/CCR-Ash Pond
Pace Project No.: 92810821

QC Batch: 952504
QC Batch Method: EPA 3005A
Analysis Method: EPA 6010D
Analysis Description: WC 6010D MET ICP
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92810821001, 92810821002, 92810821003, 92810821004, 92810821005

METHOD BLANK: 4894644 Matrix: Water
Associated Lab Samples: 92810821001, 92810821002, 92810821003, 92810821004, 92810821005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron	mg/L	ND	0.050	08/08/25 09:34	
Calcium	mg/L	ND	5.0	08/08/25 09:34	

LABORATORY CONTROL SAMPLE: 4894645

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	0.4	0.42	104	80-120	
Calcium	mg/L	40	39.5	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4894646 4894647

Parameter	Units	92810821001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	ND	0.4	0.4	0.44	0.44	106	106	75-125	0	20	
Calcium	mg/L	39.8	40	40	80.1	80.2	101	101	75-125	0	20	

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

REPORT OF LABORATORY ANALYSIS

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110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Plant Hammond/CCR-Ash Pond
Pace Project No.: 92810821

QC Batch: 952513
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92810821001, 92810821002, 92810821003, 92810821004, 92810821005

METHOD BLANK: 4894663 Matrix: Water
Associated Lab Samples: 92810821001, 92810821002, 92810821003, 92810821004, 92810821005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cobalt	mg/L	ND	0.0050	08/08/25 05:54	

LABORATORY CONTROL SAMPLE: 4894664

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cobalt	mg/L	0.1	0.10	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4894665 4894666

Parameter	Units	92810752001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	mg/L	ND	0.1	0.1	0.098	0.10	97	99	75-125	2	20	

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

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QUALIFIERS

Project: Plant Hammond/CCR-Ash Pond
Pace Project No.: 92810821

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Hammond/CCR-Ash Pond
Pace Project No.: 92810821

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92810821001	**HAM-AP2-Up**	SM 2540C-2015	952723		
92810821002	**HAM-AP2-Mid**	SM 2540C-2015	952723		
92810821003	**HAM-AP2-Down**	SM 2540C-2015	952723		
92810821004	**HAM-H+0.35**	SM 2540C-2015	952723		
92810821005	**HAM-H+0.75**	SM 2540C-2015	952723		
92810821001	**HAM-AP2-Up**	EPA 9056A	952111		
92810821002	**HAM-AP2-Mid**	EPA 9056A	952111		
92810821003	**HAM-AP2-Down**	EPA 9056A	952111		
92810821004	**HAM-H+0.35**	EPA 9056A	952111		
92810821005	**HAM-H+0.75**	EPA 9056A	952111		
92810821001	**HAM-AP2-Up**	EPA 3005A	952504	EPA 6010D	952760
92810821002	**HAM-AP2-Mid**	EPA 3005A	952504	EPA 6010D	952760
92810821003	**HAM-AP2-Down**	EPA 3005A	952504	EPA 6010D	952760
92810821004	**HAM-H+0.35**	EPA 3005A	952504	EPA 6010D	952760
92810821005	**HAM-H+0.75**	EPA 3005A	952504	EPA 6010D	952760
92810821001	**HAM-AP2-Up**	EPA 3005A	952513	EPA 6020B	952831
92810821002	**HAM-AP2-Mid**	EPA 3005A	952513	EPA 6020B	952831
92810821003	**HAM-AP2-Down**	EPA 3005A	952513	EPA 6020B	952831
92810821004	**HAM-H+0.35**	EPA 3005A	952513	EPA 6020B	952831
92810821005	**HAM-H+0.75**	EPA 3005A	952513	EPA 6020B	952831

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Pace® Location Requested (City/State):
Pace Analytical Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 92810821

92810821

Company Name:	ARCADIS US, Inc. - Atlanta	Contact/Report To:	Priya Johnson
Street Address:	2839 Paces Ferry Rd STE 900 Atlanta, GA 30339	Phone #:	(618)790-6528
		E-Mail:	priya.johnson@arcadis.com
		Cc E-Mail:	Arcadis-Atl + GA Power Distribution List
Customer Project #:			
Project Name:	Plant Hammond/CCR-Ash Pond Closure	Invoice To:	Accounts Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	AP-2	Purchase Order # (if applicable):	GPC82474-0001
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested: 5 Day TAT

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW) Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	App. IV Metals - Co only	App. III Metals - B, Ca	Metals - K, Mg, Na	Alkalinity (Total/Bicarb), Cl, F, SO4	TDS	Sample Comment	Preservation non-conformance identified for sample.
HAM-AP2-Up	WS	G	8/4/25	1154			3			X	X	X	X	X		
HAM-AP2-Mid	WS	G	8/4/25	1137			3			X	X	X	X	X		
HAM-AP2-Down	WS	G	8/4/25	0954			3			X	X	X	X	X		
HAM-H+0.35	WS	G	8/4/25	1602			3			X	X	X	X	X		
HAM-H+0.75	WS	G	8/4/25	0946			3			X	X	X	X	X		

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Maiya Parks
AcctNum / Client ID:
Table #:
Profile / Template: 12590
Prelog / Bottle Ord. ID: EZ 3284574

Additional Instructions from Pace®:
HAM-CSURF-ASSMT-2025S2

Collected By:
(Printed Name) Garrett G
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Arcadis	8/5/25 0500		8/5/25 1015	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier
	8/5/25 1154		8/5/25 1154	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Arcadis

Project #:

WO#: 92810821

PM: MP Due Date: 08/14/25

CLIENT: GA-ArcadAtl

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other:____

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 8/14/25 DU

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.6 Correction Factor: Add/Subtract (°C) 0.0

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

Cooler Temp Corrected (°C): 2.6

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO#: 92810821

PM: MP Due Date: 08/14/25

CLIENT: GA-ArcadAtl

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

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

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

***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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

pH Adjustment Log for Preserved Samples

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

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

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

August 14, 2025

Priya Rachel Johnson
ARCADIS US, Inc. - Atlanta
2839 Paces Ferry Rd
Suite 900
Atlanta, GA 30339

RE: Project: Plant Hammond/CCR-Ash Pond
Pace Project No.: 92810828

Dear Priya Johnson:

Enclosed are the analytical results for sample(s) received by the laboratory on August 05, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Asheville
- Pace Analytical Services - West Columbia

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

Sincerely,

Maiya Parks
maiya.parks@pacelabs.com
770-734-4205
Project Manager

Enclosures

cc: Jordan Gamble, ARCADIS US, Inc. - Atlanta
Ben Hodges, Southern Company
Christine Hug, Geosyntec Consultants, Inc.
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec Consultants, Inc
Noelia Muskus Ruiz, Georgia Power
Tina Sullivan, ERM

REPORT OF LABORATORY ANALYSIS

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110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

CERTIFICATIONS

Project: Plant Hammond/CCR-Ash Pond
Pace Project No.: 92810828

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services West Columbia

106 Vantage Point Drive, West Columbia, SC 29172
Alaska Dept. of Energy Conservation, Cert# 20-002
California ELAP, cert# 3049
DoD, DoD QSM V5.4, cert# I.2224
DOE, DoD/DOE QSM V5.4, cert# I.2224.01
Florida, Dept. of Health, cert# E87653-70
Georgia, Env. Protection Division, cert# E87653
Illinois, EPA NELAP, cert# 2000552024-9
Kansas, Dept. of Health and Environment, cert# E-10417
Kentucky, Dept. for Env. Protection, UST, cert# 103582
Kentucky, Dept. for Env. Protection, cert# 98037
Louisiana, Dept. of Environmental Quality, cert# 5125
North Carolina, DEQ, Water Resources, cert# 329
New Jersey, Dept. of Env. Protection, cert# NLC 240005
Oklahoma, Dept. of Env. Quality, cert# 2023-175
Oregon, ELAP, cert# 4181-006
Pennsylvania, Dept. of Env. Protection, cert# 003
South Carolina, Dept. of Env. Services, cert# 32010001
Texas, Commission on Env. Quality, cert# TX-C24-00083
Virginia, Dept. of General Services, cert# 13080
Wisconsin, Dept. of Natural Resources, cert# 399136100

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Peachtree Corners, GA 30092
(770)734-4200

SAMPLE SUMMARY

Project: Plant Hammond/CCR-Ash Pond
Pace Project No.: 92810828

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92810828001	**HAM-H+0.25**	Water	08/04/25 10:08	08/05/25 11:59

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SAMPLE ANALYTE COUNT

Project: Plant Hammond/CCR-Ash Pond
Pace Project No.: 92810828

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92810828001	**HAM-H+0.25**	SM 2540C-2015	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	EM	2	PASI-WC
		EPA 6020B	CBP	2	PASI-WC

PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

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110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Plant Hammond/CCR-Ash Pond
Pace Project No.: 92810828

Sample: HAM-H+0.25 **Lab ID: 92810828001** Collected: 08/04/25 10:08 Received: 08/05/25 11:59 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville							
Total Dissolved Solids	**86.0**	mg/L	25.0	1		08/08/25 16:23		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**4.7**	mg/L	1.0	1		08/06/25 08:03	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/06/25 08:03	16984-48-8	
Sulfate	**5.6**	mg/L	1.0	1		08/06/25 08:03	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	08/07/25 11:36	08/08/25 10:16	7440-42-8	
Calcium	**18.0**	mg/L	5.0	1	08/07/25 11:36	08/08/25 10:16	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	08/07/25 11:36	08/08/25 11:22	7440-48-4	
Molybdenum	ND	mg/L	0.010	1	08/07/25 11:36	08/08/25 11:22	7439-98-7	

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110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Plant Hammond/CCR-Ash Pond
Pace Project No.: 92810828

QC Batch: 952723
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92810828001

METHOD BLANK: 4896266 Matrix: Water
Associated Lab Samples: 92810828001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	08/08/25 16:21	

LABORATORY CONTROL SAMPLE: 4896267

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	244	98	90-110	

SAMPLE DUPLICATE: 4896268

Parameter	Units	92810806001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	223	219	2	25	

SAMPLE DUPLICATE: 4896269

Parameter	Units	92810821004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	98.0	92.0	6	25	

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

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Plant Hammond/CCR-Ash Pond
Pace Project No.: 92810828

QC Batch: 952111
QC Batch Method: EPA 9056A
Analysis Method: EPA 9056A
Analysis Description: 9056 IC anions 28 Days
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92810828001

METHOD BLANK: 4892325 Matrix: Water
Associated Lab Samples: 92810828001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	08/05/25 22:40	
Fluoride	mg/L	ND	0.10	08/05/25 22:40	
Sulfate	mg/L	ND	1.0	08/05/25 22:40	

LABORATORY CONTROL SAMPLE: 4892326

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.0	100	90-110	
Fluoride	mg/L	2.5	2.7	106	90-110	
Sulfate	mg/L	50	49.5	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4892327 4892328

Parameter	Units	92810821001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	1.3	50	50	49.6	50.0	97	97	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.4	2.4	92	93	90-110	1	10	
Sulfate	mg/L	7.1	50	50	54.4	54.9	95	96	90-110	1	10	

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Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Plant Hammond/CCR-Ash Pond
Pace Project No.: 92810828

QC Batch: 952504
QC Batch Method: EPA 3005A
Analysis Method: EPA 6010D
Analysis Description: WC 6010D MET ICP
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92810828001

METHOD BLANK: 4894644 Matrix: Water
Associated Lab Samples: 92810828001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron	mg/L	ND	0.050	08/08/25 09:34	
Calcium	mg/L	ND	5.0	08/08/25 09:34	

LABORATORY CONTROL SAMPLE: 4894645

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	0.4	0.42	104	80-120	
Calcium	mg/L	40	39.5	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4894646 4894647

Parameter	Units	92810821001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	ND	0.4	0.4	0.44	0.44	106	106	75-125	0	20	
Calcium	mg/L	39.8	40	40	80.1	80.2	101	101	75-125	0	20	

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Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Plant Hammond/CCR-Ash Pond
Pace Project No.: 92810828

QC Batch: 952513
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92810828001

METHOD BLANK: 4894663 Matrix: Water
Associated Lab Samples: 92810828001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cobalt	mg/L	ND	0.0050	08/08/25 05:54	
Molybdenum	mg/L	ND	0.010	08/08/25 05:54	

LABORATORY CONTROL SAMPLE: 4894664

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cobalt	mg/L	0.1	0.10	101	80-120	
Molybdenum	mg/L	0.1	0.092	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4894665 4894666

Parameter	Units	92810752001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	mg/L	ND	0.1	0.1	0.098	0.10	97	99	75-125	2	20	
Molybdenum	mg/L	7.4	0.1	0.1	7.4	7.7	-28	262	75-125	4	20	M1

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REPORT OF LABORATORY ANALYSIS

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Peachtree Corners, GA 30092
(770)734-4200

QUALIFIERS

Project: Plant Hammond/CCR-Ash Pond
Pace Project No.: 92810828

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

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110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Hammond/CCR-Ash Pond
Pace Project No.: 92810828

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92810828001	**HAM-H+0.25**	SM 2540C-2015	952723		
92810828001	**HAM-H+0.25**	EPA 9056A	952111		
92810828001	**HAM-H+0.25**	EPA 3005A	952504	EPA 6010D	952760
92810828001	**HAM-H+0.25**	EPA 3005A	952513	EPA 6020B	952831

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Pace® Location Requested (City/State):
Pace Analytical Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 92810828

92810828

Company Name:	ARCADIS US, Inc. - Atlanta	Contact/Report To:	Priya Johnson
Street Address:	2839 Paces Ferry Rd STE 900 Atlanta, GA 30339	Phone #:	(618)790-6528
		E-Mail:	priya.johnson@arcadis.com
		Cc E-Mail:	Arcadis-Atl + GA Power Distribution List
Customer Project #:			
Project Name:	Plant Hammond/CCR-Ash Pond Closure	Invoice To:	Accounts Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	AP-1/AP-2	Purchase Order # (if applicable):	GPC82474-0001
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested: 5 Day TAT

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW) Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	App. IV Metals - Co, Mo only	App. III Metals - B, Ca	Metals - K, Mg, Na	Alkalinity (Total/Bicarb), Cl, F, SO4	TDS	Sample Comment	Preservation non-conformance identified for sample.
HAM-H+0.25	WS	G	8/4/25	1008			3			X	X	X	X	X		

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Maiya Parks

AcctNum / Client ID:

Table #:

Profile / Template: 12590

Prelog / Bottle Ord. ID: EZ 3284574

Additional Instructions from Pace®:
HAM-CSURF-ASSMT-202552

Collected By: (Printed Name) Brayett G

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Arcadis	8/5/25 0500		8/5/25 1055	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
	8/5/25 1154		1154	[ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace Analytical Services	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ M

Sample Condition Upon Receipt

WO#: 92810828
PM: MP Due Date: 08/14/25
CLIENT: GA-ArcadAtl

Client Name: Arcadis Project

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other:____

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 8/6/25 DW

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.6 Correction Factor: Add/Subtract (°C) 0.0

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

Cooler Temp Corrected (°C): 2.6

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project # **WO#: 92810828**

PM: MP Due Date: 08/14/25
CLIENT: GA-ArcadAtl

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Client Arcadis Profile/EZ (Circle one)_____ Notes_____

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

pH Adjustment Log for Preserved Samples

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

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

CORRECTIVE ACTION PIEZOMETER SAMPLING (AUGUST 2025)

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

September 05, 2025

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on August 13, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Asheville
- Pace Analytical Services - West Columbia

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

Sincerely,

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

Enclosures

cc: Kip Gray, Geosyntec
Christine Hug, Geosyntec Consultants, Inc.
Thomas Kessler, Geosyntec Consultants
Whitney Law, Geosyntec Consultants
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec Consultants, Inc
Jamie Newsome, Geosyntec Consultants
Amanda Tomlinson, Geosyntec Consultants
Zain Webb, Geosyntec Consultants

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Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services West Columbia
106 Vantage Point Drive, West Columbia, SC 29172
Alaska Dept. of Energy Conservation, Cert# 20-002
California ELAP, cert# 3049
DoD, DoD QSM V5.4, cert# I.2224
DOE, DoD/DOE QSM V5.4, cert# I.2224.01
Florida, Dept. of Health, cert# E87653-70
Georgia, Env. Protection Division, cert# E87653
Illinois, EPA NELAP, cert# 2000552024-9
Kansas, Dept. of Health and Environment, cert# E-10417
Kentucky, Dept. for Env. Protection, UST, cert# 103582
Kentucky, Dept. for Env. Protection, cert# 98037
Louisiana, Dept. of Environmental Quality, cert# 5125
North Carolina, DEQ, Water Resources, cert# 329
New Jersey, Dept. of Env. Protection, cert# NLC 240005
Oklahoma, Dept. of Env. Quality, cert# 2023-175
Oregon, ELAP, cert# 4181-006
Pennsylvania, Dept. of Env. Protection, cert# 003
South Carolina, Dept. of Env. Services, cert# 32010001
Texas, Commission on Env. Quality, cert# TX-C24-00083
Virginia, Dept. of General Services, cert# 13080
Wisconsin, Dept. of Natural Resources, cert# 399136100

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Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92812971001	**HAM-PT-01**	Water	08/11/25 13:47	08/13/25 14:25
92812971002	**HAM-PT-02**	Water	08/11/25 11:43	08/13/25 14:25
92812971003	**HAM-PT-03**	Water	08/11/25 09:54	08/13/25 14:25
92812971004	**HAM-MW-56**	Water	08/11/25 16:01	08/13/25 14:25
92812971005	**HAM-MW-57**	Water	08/11/25 15:17	08/13/25 14:25
92812971006	**HAM-MW-58**	Water	08/11/25 16:53	08/13/25 14:25
92812971007	**HAM-PT-04**	Water	08/12/25 09:47	08/13/25 14:25
92812971008	**HAM-PT-05**	Water	08/12/25 10:59	08/13/25 14:25
92812971009	**HAM-PT-06**	Water	08/12/25 10:08	08/13/25 14:25
92812971010	**HAM-MW-55**	Water	08/12/25 09:03	08/13/25 14:25
92812971011	**HAM-MW-59**	Water	08/12/25 09:10	08/13/25 14:25
92812971012	**HAM-AP2-EB-02**	Water	08/12/25 09:30	08/13/25 14:25
92812971013	**HAM-AP2-FB-02**	Water	08/12/25 09:35	08/13/25 14:25
92812971014	**HAM-AP2-FD-02**	Water	08/12/25 00:00	08/13/25 14:25
92812971015	**HAM-AP2-EB-03**	Water	08/12/25 10:20	08/13/25 14:25
92812971016	**HAM-AP2-FB-03**	Water	08/12/25 10:25	08/13/25 14:25
92812971017	**HAM-AP2-FD-03**	Water	08/12/25 00:00	08/13/25 14:25

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92812971001	**HAM-PT-01**	SM 2320B-2021	YEG	3
		EPA 6020B	BW	3
92812971002	**HAM-PT-02**	SM 2320B-2021	YEG	3
		EPA 6020B	BW	3
92812971003	**HAM-PT-03**	SM 2320B-2021	YEG	3
		EPA 6020B	BW	3
92812971004	**HAM-MW-56**	SM 2320B-2021	YEG	3
		EPA 6020B	BW	3
92812971005	**HAM-MW-57**	SM 2320B-2021	YEG	3
		EPA 6020B	BW	3
92812971006	**HAM-MW-58**	SM 2320B-2021	YEG	3
		EPA 6020B	BW	3
92812971007	**HAM-PT-04**	SM 2320B-2021	SMS	3
		EPA 6020B	BW	3
92812971008	**HAM-PT-05**	SM 2320B-2021	SMS	3
		EPA 6020B	BW	3
92812971009	**HAM-PT-06**	SM 2320B-2021	SMS	3
		EPA 6020B	BW	3
92812971010	**HAM-MW-55**	SM 2320B-2021	SMS	3
		EPA 6020B	BW	3
92812971011	**HAM-MW-59**	SM 2320B-2021	SMS	3
		EPA 6020B	BW	3
92812971012	**HAM-AP2-EB-02**	SM 2320B-2021	SMS	3
		EPA 6020B	BW	3
92812971013	**HAM-AP2-FB-02**	SM 2320B-2021	SMS	3
		EPA 6020B	BW	3
92812971014	**HAM-AP2-FD-02**	SM 2320B-2021	SMS	3
		EPA 6020B	BW	3
92812971015	**HAM-AP2-EB-03**	SM 2320B-2021	SMS	3
		EPA 6020B	BW	3
92812971016	**HAM-AP2-FB-03**	SM 2320B-2021	SMS	3
		EPA 6020B	BW	3
92812971017	**HAM-AP2-FD-03**	SM 2320B-2021	SMS	3
		EPA 6020B	BW	3

PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92812971001	**HAM-PT-01**					
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	67.2	mg/L	5.0	08/20/25 17:30	
SM 2320B-2021	Alkalinity, Total as CaCO3	67.2	mg/L	5.0	08/20/25 17:30	
EPA 6020B	Boron	1.5	mg/L	0.40	09/03/25 20:07	
EPA 6020B	Cobalt	0.0033J	mg/L	0.0050	09/03/25 12:13	
EPA 6020B	Sodium	9.4	mg/L	0.40	09/03/25 12:13	
92812971002	**HAM-PT-02**					
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	72.2	mg/L	5.0	08/20/25 17:38	
SM 2320B-2021	Alkalinity, Total as CaCO3	72.2	mg/L	5.0	08/20/25 17:38	
EPA 6020B	Boron	4.2	mg/L	2.0	09/03/25 20:49	
EPA 6020B	Cobalt	0.017	mg/L	0.0050	09/03/25 12:55	
EPA 6020B	Sodium	38.3	mg/L	20.0	09/03/25 20:49	
92812971003	**HAM-PT-03**					
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	7.5	mg/L	5.0	08/20/25 19:56	
SM 2320B-2021	Alkalinity, Total as CaCO3	7.5	mg/L	5.0	08/20/25 19:56	
EPA 6020B	Boron	5.4	mg/L	2.0	09/03/25 20:57	
EPA 6020B	Cobalt	0.060	mg/L	0.0050	09/03/25 13:03	
EPA 6020B	Sodium	25.3	mg/L	20.0	09/03/25 20:57	
92812971004	**HAM-MW-56**					
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	9.3	mg/L	5.0	08/20/25 17:52	
SM 2320B-2021	Alkalinity, Total as CaCO3	9.3	mg/L	5.0	08/20/25 17:52	
EPA 6020B	Boron	6.7	mg/L	2.0	09/03/25 21:06	
EPA 6020B	Cobalt	0.094	mg/L	0.0050	09/03/25 13:12	
EPA 6020B	Sodium	8.3	mg/L	0.40	09/03/25 13:12	
92812971005	**HAM-MW-57**					
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	75.0	mg/L	5.0	08/20/25 17:57	
SM 2320B-2021	Alkalinity, Total as CaCO3	75.0	mg/L	5.0	08/20/25 17:57	
EPA 6020B	Boron	4.7	mg/L	2.0	09/03/25 21:31	
EPA 6020B	Cobalt	0.042	mg/L	0.0050	09/03/25 13:37	
EPA 6020B	Sodium	16.7	mg/L	0.40	09/03/25 13:37	
92812971006	**HAM-MW-58**					
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	83.5	mg/L	5.0	08/20/25 18:05	
SM 2320B-2021	Alkalinity, Total as CaCO3	83.5	mg/L	5.0	08/20/25 18:05	
EPA 6020B	Boron	1.8	mg/L	0.40	09/03/25 21:39	
EPA 6020B	Cobalt	0.017	mg/L	0.0050	09/03/25 13:46	
EPA 6020B	Sodium	7.5	mg/L	0.40	09/03/25 13:46	
92812971007	**HAM-PT-04**					
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	244	mg/L	5.0	08/22/25 14:19	
SM 2320B-2021	Alkalinity, Total as CaCO3	244	mg/L	5.0	08/22/25 14:19	
EPA 6020B	Boron	5.0	mg/L	2.0	09/03/25 21:48	
EPA 6020B	Cobalt	0.032	mg/L	0.0050	09/03/25 13:54	
EPA 6020B	Sodium	43.0	mg/L	20.0	09/03/25 21:48	
92812971008	**HAM-PT-05**					
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	347	mg/L	5.0	08/22/25 15:31	

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SUMMARY OF DETECTION

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92812971008	**HAM-PT-05**					
SM 2320B-2021	Alkalinity, Total as CaCO3	347	mg/L	5.0	08/22/25 15:31	
EPA 6020B	Boron	5.2	mg/L	2.0	09/03/25 21:56	
EPA 6020B	Cobalt	0.013	mg/L	0.0050	09/03/25 14:03	
EPA 6020B	Sodium	135	mg/L	20.0	09/03/25 21:56	
92812971009	**HAM-PT-06**					
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	270	mg/L	5.0	08/22/25 17:59	
SM 2320B-2021	Alkalinity, Total as CaCO3	270	mg/L	5.0	08/22/25 17:59	
EPA 6020B	Boron	5.1	mg/L	2.0	09/03/25 22:05	
EPA 6020B	Cobalt	0.022	mg/L	0.0050	09/03/25 14:11	
EPA 6020B	Sodium	71.3	mg/L	20.0	09/03/25 22:05	
92812971010	**HAM-MW-55**					
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	143	mg/L	5.0	08/22/25 15:56	
SM 2320B-2021	Alkalinity, Total as CaCO3	143	mg/L	5.0	08/22/25 15:56	
EPA 6020B	Boron	3.2	mg/L	2.0	09/03/25 22:13	
EPA 6020B	Cobalt	0.027	mg/L	0.0050	09/03/25 14:20	
EPA 6020B	Sodium	22.6	mg/L	0.40	09/03/25 14:20	
92812971011	**HAM-MW-59**					
EPA 6020B	Boron	7.4	mg/L	2.0	09/03/25 22:22	
EPA 6020B	Cobalt	0.10	mg/L	0.0050	09/03/25 14:28	
EPA 6020B	Sodium	11.8	mg/L	0.40	09/03/25 14:28	
92812971012	**HAM-AP2-EB-02**					
EPA 6020B	Sodium	0.18J	mg/L	0.40	09/03/25 14:36	
92812971014	**HAM-AP2-FD-02**					
EPA 6020B	Boron	7.7	mg/L	2.0	09/03/25 22:30	
EPA 6020B	Cobalt	0.099	mg/L	0.0050	09/03/25 14:53	
EPA 6020B	Sodium	11.6	mg/L	0.40	09/03/25 14:53	
92812971017	**HAM-AP2-FD-03**					
SM 2320B-2021	Alkalinity,Bicarbonate (CaCO3)	345	mg/L	5.0	08/22/25 18:07	
SM 2320B-2021	Alkalinity, Total as CaCO3	345	mg/L	5.0	08/22/25 18:07	
EPA 6020B	Boron	4.8	mg/L	2.0	09/03/25 22:39	
EPA 6020B	Cobalt	0.012	mg/L	0.0050	09/03/25 15:36	
EPA 6020B	Sodium	120	mg/L	20.0	09/03/25 22:39	

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ANALYTICAL RESULTS

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

Sample: HAM-PT-01 **Lab ID: 92812971001** Collected: 08/11/25 13:47 Received: 08/13/25 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**67.2**	mg/L	5.0	5.0	1		08/20/25 17:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/20/25 17:30		
Alkalinity, Total as CaCO3	**67.2**	mg/L	5.0	5.0	1		08/20/25 17:30		
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**1.5**	mg/L	0.40	0.062	10	08/19/25 11:55	09/03/25 20:07	7440-42-8	
Cobalt	**0.0033J**	mg/L	0.0050	0.0012	1	08/19/25 11:55	09/03/25 12:13	7440-48-4	
Sodium	**9.4**	mg/L	0.40	0.15	1	08/19/25 11:55	09/03/25 12:13	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

Sample: HAM-PT-02 **Lab ID: 92812971002** Collected: 08/11/25 11:43 Received: 08/13/25 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**72.2**	mg/L	5.0	5.0	1		08/20/25 17:38		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/20/25 17:38		
Alkalinity, Total as CaCO3	**72.2**	mg/L	5.0	5.0	1		08/20/25 17:38		
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**4.2**	mg/L	2.0	0.31	50	08/19/25 11:55	09/03/25 20:49	7440-42-8	
Cobalt	**0.017**	mg/L	0.0050	0.0012	1	08/19/25 11:55	09/03/25 12:55	7440-48-4	
Sodium	**38.3**	mg/L	20.0	7.5	50	08/19/25 11:55	09/03/25 20:49	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

Sample: HAM-PT-03 **Lab ID: 92812971003** Collected: 08/11/25 09:54 Received: 08/13/25 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**7.5**	mg/L	5.0	5.0	1		08/20/25 19:56		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/20/25 19:56		
Alkalinity, Total as CaCO3	**7.5**	mg/L	5.0	5.0	1		08/20/25 19:56		
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**5.4**	mg/L	2.0	0.31	50	08/19/25 11:55	09/03/25 20:57	7440-42-8	
Cobalt	**0.060**	mg/L	0.0050	0.0012	1	08/19/25 11:55	09/03/25 13:03	7440-48-4	
Sodium	**25.3**	mg/L	20.0	7.5	50	08/19/25 11:55	09/03/25 20:57	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

Sample: HAM-MW-56 **Lab ID: 92812971004** Collected: 08/11/25 16:01 Received: 08/13/25 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**9.3**	mg/L	5.0	5.0	1		08/20/25 17:52		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/20/25 17:52		
Alkalinity, Total as CaCO3	**9.3**	mg/L	5.0	5.0	1		08/20/25 17:52		
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**6.7**	mg/L	2.0	0.31	50	08/19/25 11:55	09/03/25 21:06	7440-42-8	
Cobalt	**0.094**	mg/L	0.0050	0.0012	1	08/19/25 11:55	09/03/25 13:12	7440-48-4	
Sodium	**8.3**	mg/L	0.40	0.15	1	08/19/25 11:55	09/03/25 13:12	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

Sample: HAM-MW-57 **Lab ID: 92812971005** Collected: 08/11/25 15:17 Received: 08/13/25 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**75.0**	mg/L	5.0	5.0	1		08/20/25 17:57		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/20/25 17:57		
Alkalinity, Total as CaCO3	**75.0**	mg/L	5.0	5.0	1		08/20/25 17:57		
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**4.7**	mg/L	2.0	0.31	50	08/19/25 11:55	09/03/25 21:31	7440-42-8	
Cobalt	**0.042**	mg/L	0.0050	0.0012	1	08/19/25 11:55	09/03/25 13:37	7440-48-4	
Sodium	**16.7**	mg/L	0.40	0.15	1	08/19/25 11:55	09/03/25 13:37	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

Sample: HAM-MW-58 **Lab ID: 92812971006** Collected: 08/11/25 16:53 Received: 08/13/25 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**83.5**	mg/L	5.0	5.0	1		08/20/25 18:05		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/20/25 18:05		
Alkalinity, Total as CaCO3	**83.5**	mg/L	5.0	5.0	1		08/20/25 18:05		
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**1.8**	mg/L	0.40	0.062	10	08/19/25 11:55	09/03/25 21:39	7440-42-8	
Cobalt	**0.017**	mg/L	0.0050	0.0012	1	08/19/25 11:55	09/03/25 13:46	7440-48-4	
Sodium	**7.5**	mg/L	0.40	0.15	1	08/19/25 11:55	09/03/25 13:46	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

Sample: HAM-PT-04 **Lab ID: 92812971007** Collected: 08/12/25 09:47 Received: 08/13/25 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**244**	mg/L	5.0	5.0	1		08/22/25 14:19		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/22/25 14:19		
Alkalinity, Total as CaCO3	**244**	mg/L	5.0	5.0	1		08/22/25 14:19		
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**5.0**	mg/L	2.0	0.31	50	08/19/25 11:55	09/03/25 21:48	7440-42-8	
Cobalt	**0.032**	mg/L	0.0050	0.0012	1	08/19/25 11:55	09/03/25 13:54	7440-48-4	
Sodium	**43.0**	mg/L	20.0	7.5	50	08/19/25 11:55	09/03/25 21:48	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

Sample: HAM-PT-05 **Lab ID: 92812971008** Collected: 08/12/25 10:59 Received: 08/13/25 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**347**	mg/L	5.0	5.0	1		08/22/25 15:31		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/22/25 15:31		
Alkalinity, Total as CaCO3	**347**	mg/L	5.0	5.0	1		08/22/25 15:31		
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**5.2**	mg/L	2.0	0.31	50	08/19/25 11:55	09/03/25 21:56	7440-42-8	
Cobalt	**0.013**	mg/L	0.0050	0.0012	1	08/19/25 11:55	09/03/25 14:03	7440-48-4	
Sodium	**135**	mg/L	20.0	7.5	50	08/19/25 11:55	09/03/25 21:56	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

Sample: HAM-PT-06 **Lab ID: 92812971009** Collected: 08/12/25 10:08 Received: 08/13/25 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**270**	mg/L	5.0	5.0	1		08/22/25 17:59		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/22/25 17:59		
Alkalinity, Total as CaCO3	**270**	mg/L	5.0	5.0	1		08/22/25 17:59		
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**5.1**	mg/L	2.0	0.31	50	08/19/25 11:55	09/03/25 22:05	7440-42-8	
Cobalt	**0.022**	mg/L	0.0050	0.0012	1	08/19/25 11:55	09/03/25 14:11	7440-48-4	
Sodium	**71.3**	mg/L	20.0	7.5	50	08/19/25 11:55	09/03/25 22:05	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

Sample: HAM-MW-55 **Lab ID: 92812971010** Collected: 08/12/25 09:03 Received: 08/13/25 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**143**	mg/L	5.0	5.0	1		08/22/25 15:56		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/22/25 15:56		
Alkalinity, Total as CaCO3	**143**	mg/L	5.0	5.0	1		08/22/25 15:56		
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**3.2**	mg/L	2.0	0.31	50	08/19/25 11:55	09/03/25 22:13	7440-42-8	
Cobalt	**0.027**	mg/L	0.0050	0.0012	1	08/19/25 11:55	09/03/25 14:20	7440-48-4	
Sodium	**22.6**	mg/L	0.40	0.15	1	08/19/25 11:55	09/03/25 14:20	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

Sample: HAM-MW-59 **Lab ID: 92812971011** Collected: 08/12/25 09:10 Received: 08/13/25 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/22/25 16:07		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/22/25 16:07		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/22/25 16:07		
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**7.4**	mg/L	2.0	0.31	50	08/19/25 11:55	09/03/25 22:22	7440-42-8	
Cobalt	**0.10**	mg/L	0.0050	0.0012	1	08/19/25 11:55	09/03/25 14:28	7440-48-4	
Sodium	**11.8**	mg/L	0.40	0.15	1	08/19/25 11:55	09/03/25 14:28	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

Sample: HAM-AP2-EB-02 **Lab ID: 92812971012** Collected: 08/12/25 09:30 Received: 08/13/25 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/22/25 16:10		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/22/25 16:10		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/22/25 16:10		
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	ND	mg/L	0.040	0.0062	1	08/19/25 11:55	09/03/25 14:36	7440-42-8	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/19/25 11:55	09/03/25 14:36	7440-48-4	
Sodium	**0.18J**	mg/L	0.40	0.15	1	08/19/25 11:55	09/03/25 14:36	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

Sample: HAM-AP2-FB-02 **Lab ID: 92812971013** Collected: 08/12/25 09:35 Received: 08/13/25 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/22/25 16:13		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/22/25 16:13		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/22/25 16:13		
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	ND	mg/L	0.040	0.0062	1	08/19/25 11:55	09/03/25 14:45	7440-42-8	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/19/25 11:55	09/03/25 14:45	7440-48-4	
Sodium	ND	mg/L	0.40	0.15	1	08/19/25 11:55	09/03/25 14:45	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

Sample: HAM-AP2-FD-02 **Lab ID: 92812971014** Collected: 08/12/25 00:00 Received: 08/13/25 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/22/25 16:17		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/22/25 16:17		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/22/25 16:17		
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**7.7**	mg/L	2.0	0.31	50	08/19/25 11:55	09/03/25 22:30	7440-42-8	
Cobalt	**0.099**	mg/L	0.0050	0.0012	1	08/19/25 11:55	09/03/25 14:53	7440-48-4	
Sodium	**11.6**	mg/L	0.40	0.15	1	08/19/25 11:55	09/03/25 14:53	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

Sample: HAM-AP2-EB-03 **Lab ID: 92812971015** Collected: 08/12/25 10:20 Received: 08/13/25 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/22/25 16:20		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/22/25 16:20		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/22/25 16:20		
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	ND	mg/L	0.040	0.0062	1	08/19/25 11:55	09/03/25 15:19	7440-42-8	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/19/25 11:55	09/03/25 15:19	7440-48-4	
Sodium	ND	mg/L	0.40	0.15	1	08/19/25 11:55	09/03/25 15:19	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

Sample: HAM-AP2-FB-03 **Lab ID: 92812971016** Collected: 08/12/25 10:25 Received: 08/13/25 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/22/25 16:23		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/22/25 16:23		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/22/25 16:23		
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	ND	mg/L	0.040	0.0062	1	08/19/25 11:55	09/03/25 15:27	7440-42-8	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/19/25 11:55	09/03/25 15:27	7440-48-4	
Sodium	ND	mg/L	0.40	0.15	1	08/19/25 11:55	09/03/25 15:27	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

Sample: HAM-AP2-FD-03 **Lab ID: 92812971017** Collected: 08/12/25 00:00 Received: 08/13/25 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**345**	mg/L	5.0	5.0	1		08/22/25 18:07		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/22/25 18:07		
Alkalinity, Total as CaCO3	**345**	mg/L	5.0	5.0	1		08/22/25 18:07		
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Boron	**4.8**	mg/L	2.0	0.31	50	08/19/25 11:55	09/03/25 22:39	7440-42-8	
Cobalt	**0.012**	mg/L	0.0050	0.0012	1	08/19/25 11:55	09/03/25 15:36	7440-48-4	
Sodium	**120**	mg/L	20.0	7.5	50	08/19/25 11:55	09/03/25 22:39	7440-23-5	

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QUALITY CONTROL DATA

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

QC Batch: 955234 | Analysis Method: SM 2320B-2021
QC Batch Method: SM 2320B-2021 | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92812971001, 92812971002, 92812971003, 92812971004, 92812971005, 92812971006

METHOD BLANK: 4909558 Matrix: Water
Associated Lab Samples: 92812971001, 92812971002, 92812971003, 92812971004, 92812971005, 92812971006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/20/25 16:21	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/20/25 16:21	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/20/25 16:21	

LABORATORY CONTROL SAMPLE: 4909559

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.8	104	80-120	

LABORATORY CONTROL SAMPLE: 4909560

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.8	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4909561 4909562

Parameter	Units	92812344003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	28.3	50	50	78.3	78.8	100	101	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4909563 4909564

Parameter	Units	92812344004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	33.1	50	50	82.3	82.0	98	98	80-120	0	25	

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QUALITY CONTROL DATA

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

QC Batch: 955534
QC Batch Method: SM 2320B-2021
Analysis Method: SM 2320B-2021
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92812971007

METHOD BLANK: 4911081 Matrix: Water
Associated Lab Samples: 92812971007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/22/25 11:18	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/22/25 11:18	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/22/25 11:18	

LABORATORY CONTROL SAMPLE: 4911082

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

LABORATORY CONTROL SAMPLE: 4911083

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.9	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4911084 4911085

Parameter	Units	92812577001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	21.7	50	50	94.7	70.0	146	97	80-120	30	25	M1,R1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4911086 4911087

Parameter	Units	92812577002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	118	50	50	167	167	98	97	80-120	0	25	

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QUALITY CONTROL DATA

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

QC Batch: 955537 | Analysis Method: SM 2320B-2021
QC Batch Method: SM 2320B-2021 | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92812971008, 92812971009, 92812971010, 92812971011, 92812971012, 92812971013, 92812971014, 92812971015, 92812971016, 92812971017

METHOD BLANK: 4911104 Matrix: Water
Associated Lab Samples: 92812971008, 92812971009, 92812971010, 92812971011, 92812971012, 92812971013, 92812971014, 92812971015, 92812971016, 92812971017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/22/25 14:43	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/22/25 14:43	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/22/25 14:43	

LABORATORY CONTROL SAMPLE: 4911105

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.4	103	80-120	

LABORATORY CONTROL SAMPLE: 4911106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.9	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4911107 4911108

Parameter	Units	92813927002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	ND	50	50	51.7	51.5	103	102	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4911109 4911110

Parameter	Units	92813938001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	44.9	50	50	96.0	94.8	102	100	80-120	1	25	

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QUALITY CONTROL DATA

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

QC Batch: 954872
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92812971001, 92812971002, 92812971003, 92812971004, 92812971005, 92812971006, 92812971007, 92812971008, 92812971009, 92812971010, 92812971011, 92812971012, 92812971013, 92812971014, 92812971015, 92812971016, 92812971017

METHOD BLANK: 4907663 Matrix: Water
Associated Lab Samples: 92812971001, 92812971002, 92812971003, 92812971004, 92812971005, 92812971006, 92812971007, 92812971008, 92812971009, 92812971010, 92812971011, 92812971012, 92812971013, 92812971014, 92812971015, 92812971016, 92812971017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	mg/L	ND	0.040	0.0062	09/03/25 11:56	
Cobalt	mg/L	ND	0.0050	0.0012	09/03/25 11:56	
Sodium	mg/L	ND	0.40	0.15	09/03/25 11:56	

LABORATORY CONTROL SAMPLE: 4907664

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	0.1	0.096	96	80-120	
Cobalt	mg/L	0.1	0.11	109	80-120	
Sodium	mg/L	1	1.0	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4907665 4907666

Parameter	Units	92812971001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	1.5	0.1	0.1	1.6	1.6	76	116	75-125	2	20	
Cobalt	mg/L	0.0033J	0.1	0.1	0.11	0.11	103	106	75-125	3	20	
Sodium	mg/L	9.4	1	1	10.4	10.6	99	123	75-125	2	20	

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QUALIFIERS

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 92812971

[1]	GEOSYNTEC
[2]	DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Hammond-(AP-2) ACM
Pace Project No.: 92812971

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92812971001	**HAM-PT-01**	SM 2320B-2021	955234		
92812971002	**HAM-PT-02**	SM 2320B-2021	955234		
92812971003	**HAM-PT-03**	SM 2320B-2021	955234		
92812971004	**HAM-MW-56**	SM 2320B-2021	955234		
92812971005	**HAM-MW-57**	SM 2320B-2021	955234		
92812971006	**HAM-MW-58**	SM 2320B-2021	955234		
92812971007	**HAM-PT-04**	SM 2320B-2021	955534		
92812971008	**HAM-PT-05**	SM 2320B-2021	955537		
92812971009	**HAM-PT-06**	SM 2320B-2021	955537		
92812971010	**HAM-MW-55**	SM 2320B-2021	955537		
92812971011	**HAM-MW-59**	SM 2320B-2021	955537		
92812971012	**HAM-AP2-EB-02**	SM 2320B-2021	955537		
92812971013	**HAM-AP2-FB-02**	SM 2320B-2021	955537		
92812971014	**HAM-AP2-FD-02**	SM 2320B-2021	955537		
92812971015	**HAM-AP2-EB-03**	SM 2320B-2021	955537		
92812971016	**HAM-AP2-FB-03**	SM 2320B-2021	955537		
92812971017	**HAM-AP2-FD-03**	SM 2320B-2021	955537		
92812971001	**HAM-PT-01**	EPA 3005A	954872	EPA 6020B	958077
92812971002	**HAM-PT-02**	EPA 3005A	954872	EPA 6020B	958077
92812971003	**HAM-PT-03**	EPA 3005A	954872	EPA 6020B	958077
92812971004	**HAM-MW-56**	EPA 3005A	954872	EPA 6020B	958077
92812971005	**HAM-MW-57**	EPA 3005A	954872	EPA 6020B	958077
92812971006	**HAM-MW-58**	EPA 3005A	954872	EPA 6020B	958077
92812971007	**HAM-PT-04**	EPA 3005A	954872	EPA 6020B	958077
92812971008	**HAM-PT-05**	EPA 3005A	954872	EPA 6020B	958077
92812971009	**HAM-PT-06**	EPA 3005A	954872	EPA 6020B	958077
92812971010	**HAM-MW-55**	EPA 3005A	954872	EPA 6020B	958077
92812971011	**HAM-MW-59**	EPA 3005A	954872	EPA 6020B	958077
92812971012	**HAM-AP2-EB-02**	EPA 3005A	954872	EPA 6020B	958077
92812971013	**HAM-AP2-FB-02**	EPA 3005A	954872	EPA 6020B	958077
92812971014	**HAM-AP2-FD-02**	EPA 3005A	954872	EPA 6020B	958077
92812971015	**HAM-AP2-EB-03**	EPA 3005A	954872	EPA 6020B	958077
92812971016	**HAM-AP2-FB-03**	EPA 3005A	954872	EPA 6020B	958077
92812971017	**HAM-AP2-FD-03**	EPA 3005A	954872	EPA 6020B	958077

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

Pace	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GC Auburn

Project #:

WO# : 92812971

92812971

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other:

Custody Seal Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 8/13 MC

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer:
☐ IR Gun ID: 230

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.1 **Correction Factor:** Add/Subtract (°C) 0.0

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

Cooler Temp Corrected (°C): 3.1

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

WO# : 92812971

PM: BV Due Date: 08/28/25

CLIENT: 92- GP-HAM

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

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

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

***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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

pH Adjustment Log for Preserved Samples

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

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

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Georgia Power- Hammond	Contact/Report To:	Kristen Jurinko
Street Address:	241 Ralph McGill Blvd NE Bin 10160 Atlanta, GA 30308	Phone #:	470-217-0008
		E-Mail:	knjurink@southernco.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Plant Hammond-(AP-2) ACM	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	GPC82474-0011
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2320B Alkalinity	6020-Co, B, Na	Sample Comment
HAM-PT-01	WG	Grab			8/11/2025	1347	3	JN 8/11/2025		X	X	Temp = 20 °C
HAM-PT-02	WG	Grab	JN 8/11/2025		8/11/2025	1143	3			X	X	Temp = 22 °C
HAM-PT-03	WG	Grab			8/11/2025	0954	3			X	X	Temp = 20 °C
HAM-MW-56	WG	Grab			8/11/2025	1601	3			X	X	Temp = 20 °C
HAM-MW-57	WG	Grab			8/11/2025	1517	3			X	X	Temp = 19 °C
HAM-MW-58	WG	Grab			8/11/2025	1653	3			X	X	Temp = 20 °C
					JN 8/11/2025							

Specify Container Size **: 3, 2x3

Identify Container Preservative Type***: 1, 2

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40ml vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: Bonnie Vang
AcctNum / Client ID:
Table #:
Profile / Template: 16483
Prelog / Bottle Ord. ID: EZ 3283456

Preservation non-conformance identified for sample:

Additional Instructions from Pace®:
Task Code: HAM-CCR-CA-20250812

Collected By: Zain Webb
(Printed Name)
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Zain Webb / Geosyntec	8/13/25 0930	Ryan William / Pace	8/13/25 0930	
Ryan William / Pace	8/13/25 1425		8/13/25 1425	Delivered by: [ ] In Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	

Page: 1 of 1

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GL Power

Project #:

WO# : 92812971
PM: BV Due Date: 08/28/25
CLIENT: 92- GP-HAM

Courier: ☐ Commercial ☑ Pace ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Other:

Custody Seal Present? ☐ Yes ☐ No **Seals Intact?** ☐ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 7/14 SO

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 130

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.1 **Correction Factor:** Add/Subtract (°C) 0.0

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

Cooler Temp Corrected (°C): 3.1

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

WO# : 92812971

PM: BV Due Date: 08/28/25
CLIENT: 92- GP-HAM

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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

pH Adjustment Log for Preserved Samples

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

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

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Georgia Power- Hammond	Contact/Report To:	Kristen Jurinko
Street Address:	241 Ralph McGill Blvd NE Bin 10160 Atlanta, GA 30308	Phone #:	470-217-0008
		E-Mail:	knjurink@southernco.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Plant Hammond-(AP-2) ACM	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	GPC82474-0011
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 3 | 2x3

Identify Container Preservative Type***: 1 | 2

Analysis Requested: 2320B Alkalinity | 6020-Co B, Na

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO_3, (3) H_2SO_4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) $NaHSO_4$, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only — Proj Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16483; Prelog / Bottle Ord. ID: EZ 3283456

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	Sample Comment	Preservation non-conformance identified for sample
HAM-PT-04	WG	Grab			8/12/2025	0947	3	N 8/13/2025		Temp = 21 °C 007	
HAM-PT-05	WG	Grab			8/12/2025	1059	3			Temp = 21 °C 008	
HAM-PT-06	WG	Grab			8/12/2025	1008	3			Temp = 20 °C 009	
HAM-MW-55	WG	Grab			8/12/2025	0903	3			Temp = 21 °C 010	
HAM-MW-59	WG	Grab		N 8/13/2025	8/12/2025	0910	3			Temp = 23 °C 011	
HAM-AP2-EB-02	WG	Grab			8/12/2025	0930	3			Temp = 20 °C 012	
HAM-AP2-FB-02	WQ	Grab			8/12/2025	0935	3			Temp = 20 °C 013	
HAM-AP2-FD-02	WG	Grab			8/12/2025	0000	3			Temp = 20 °C 014	
HAM-AP2-EB-03	WQ	Grab			8/12/2025	1020	3			Temp = 20 °C 015	
HAM-AP2-FB-03	WQ	Grab			8/12/2025	1025	3			Temp = 20 °C 016	

Additional Instructions from Pace®:
Task Code: HAM-CCR-CA-20250812

Collected By (Printed Name): Jamie Newsome, Amanda Tomlinson, Zain Webb

Signature:

Customer Remarks / Special Conditions / Possible Hazards

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Zain Webb/Georgia Power	8/13/25 0930	Ilyan W. Williams / Pace	8/13/25 0930	
Ilyan Williams / Pace	8/13/25 1425		8/13 1425	Delivered by: [ ] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123©

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Georgia Power- Hammond	Contact/Report To:	Kristen Jurinko
Street Address:	241 Ralph McGill Blvd NE Bin 10160 Atlanta, GA 30308	Phone #:	470-217-0008
		E-Mail:	knjurink@southernco.com
		Cc E-Mail	
Customer Project #:			
Project Name:	Plant Hammond-(AP-2) ACM	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable)	GPC82474-0011
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT

Specify Container Size **: 3 | 2x3

Identify Container Preservative Type***: 1 | 2

Analysis Requested: 2320B Alkalinity | 6020-Co, B, Na

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) Na2SO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only:
Proj. Mgr: **Bonnie Vang**
AcctNum / Client ID:
Table #:
Profile / Template: **16483**
Prelog / Bottle Ord. ID: **EZ 3283456**

Preservation non-conformance identified for sample

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	Sample Comment
HAM-AP2-FD-03	WG	Grab				0000	3			Temp = 20 °C 017
				JN 8/13/2025					JN 8/13/2025	
						JN 8/13/2025				

Additional Instructions from Pace®:
Task Code: HAM-CCR-CA-20250812

Collected By (Printed Name): Jamie Newsome, Amanda Tomlinson, Zain Webb

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
[illegible] / Leesaynta	8/13/25 0930	Ryan Williams / Pace	8/13/25 0930	
Ryan Williams / Pace	8/13/25 1425	[signature]	8/13 1417	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 8/13	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 2 of 2

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

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VALIDATION REPORTS

FEBRUARY 2025

Geosyntec consultants

180A Market Place Boulevard
Knoxville, TN 37922
PH 865.330.0037
www.geosyntec.com

Memorandum

Date:	11 August 2025
To:	Kristen Jurinko
	Caroline Nelson
	Christine Hug
From:	Ashley Wilson
CC:	Kristoffer Henderson
Subject:	**Stage 2A Data Validation - Level II Data Deliverables – Pace Analytical Project Services, Project Numbers: 92779981 and 92779989**

SITE: Plant Hammond AP-2

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of twenty-two aqueous samples, three field duplicates, three field blanks and three equipment blanks, collected 12-14, 16-18 February and 6 March 2025, as part of the Plant Hammond sampling event.

The samples were analyzed at Pace Analytical Services – National, Mt. Juliet, Tennessee, for the following analytical test:

- Metals by United States (US) Environmental Protection Agency (EPA) Methods 3015/6020B

The samples were analyzed at Pace Analytical Services - Asheville, Asheville, North Carolina, for the following analytical tests:

- Mercury by US EPA Method 7470A
- Anions (chloride, fluoride, and sulfate) by US EPA Method 300.0 Rev 2.1 1993
- Alkalinity as CaCO3 (total, bicarbonate and carbonate) by SM 2320B-2011
- Sulfide by SM 4500-S2D-2011
- Total Dissolved Solids (TDS) by Standard Method (SM) 2540C-2015

The samples were analyzed at Pace Analytical Services – West Columbia, West Columbia, South Carolina, for the following analytical test:

- Metals by US EPA Method 3005A/6020B

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives. The qualified data should be used within the limitations of the qualifications. If there are results with two or more different qualifications due to multiple QC failures, the final qualification is reconciled in the electronic data deliverable (EDD) with qualifications.

The data were reviewed based on the pertinent methods referenced in the laboratory reports, professional and technical judgment, and the following documents:

- US EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011);
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006); and

The following samples were analyzed and reported in the laboratory report:

Laboratory IDs	Client IDs
92779981001	HAM-HGWA-4
92779981002	HAM-HGWA-5
92779981003	HAM-HGWA-6
92779981004	HAM-HGWA-42D
92779981005	HAM-HGWC-17
92779981006	HAM-MW-33
92779981007	HAM-AP2-EB-01
92779981008	HAM-AP2-FB-01
92779981009	HAM-HGWC-14
92779981010	HAM-HGWC-15
92779981011	HAM-HGWC-16
92779981012	HAM-HGWC-18
92779981013	HAM-MW-21D
92779981014	HAM-MW-22
92779981015	HAM-MW-23D
92779981016	HAM-MW-34D

Laboratory IDs	Client IDs
92779981017	HAM-MW-37D
92779981018	HAM-AP2-FD-01
92779981019	HAM-AP2-FD-02
92779981020	HAM-AP2-EB-02
92779981021	HAM-AP2-FB-02
92779981022	HAM-MW-35
92779981023	HAM-MW-51
92779989001	HAM-HGWA-1
92779989002	HAM-HGWA-3
92779989003	HAM-HGWA-43D
92779989004	HAM-HGWA-44D
92779989005	HAM-UGRD-EB-01
92779989006	HAM-UGRD-FB-01
92779989007	HAM-HGWA-2
92779989008	HAM-UGRD-FD-01

The chain of custody (COC) indicates the samples were received between 0-6 ^{o}C. No preservation issues were noted by the laboratory.

Radium 226/228 was requested on the COC. However, this data was reported separately.

1.0 METALS

The samples were analyzed for metals by US EPA methods 3005A/6020B and 3010A/6010D.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Time
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Equipment Blank
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ Sensitivity

1.1 Overall Assessment

The metals data reported in this data package are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this dataset is 100%.

1.2 Holding Time

The holding time for the metals analysis of a water sample is 180 days from sample collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). The metals were not detected in the method blanks at or above the method detection limits (MDLs).

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Sample set specific MS/MSD pairs were reported using samples HAM-HGWA-4, HAM-MW-23D, HAM-MW-33 and HAM-UGRD-EB-01. The recovery and

relative percent difference (RPD) results were within the laboratory specified acceptance criteria, with the following exceptions.

92779981: The recoveries of calcium in the MS/MSD pair using sample HAM-HGWA-4 were low and outside of laboratory specified acceptance criteria. Since the calcium concentration in sample HAM-HGWA-4 was greater than four times the spiked concentrations, no qualifications were applied to the data based on the MS/MSD recovery results.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	DQM Reason Code(s)
HAM-HGWA-4	Boron	21.5	M1	21.5	NA$^{\beta}$	MS3

mg/L- milligram per liter
M1-Laboratory flag indicating that the MS recovery exceeded QC limits.
NA$^{\beta}$-Not applicable. The laboratory flag was removed, and no qualifications were applied to the data based on this validation.

Batch MS/MSDs were also reported for both methods. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). The recovery results were within the laboratory specified acceptance criteria.

1.6 Equipment Blank

Three equipment blanks were collected with the sample set, HAM-UGRD-EB-01, HAM-AP2-EB-01 and HAM-AP2-EB-02. Metals were not detected in the equipment blanks at or above the MDLs.

1.7 Field Blank

Three field blanks were collected with the sample set, HAM-UGRD-FB-01, HAM-AP2-FB-01 and HAM-AP2-FB-02. Metals were not detected in the field blanks at or above the MDLs.

1.8 Field Duplicate

Three field duplicate samples were collected with the sample set, HAM-UGRD-FD-01, HAM-AP2-FD-01 and HAM-AP2-FD-02. Acceptable precision (RPD < 30%) was demonstrated between the field duplicate and the original samples, HAM-HGWA-2, HAM-HGWC-16 and HAM-MW-23D, respectively.

The field duplicates, HAM-UGRD-FD-01, HAM-AP2-FD-01 and HAM-AP2-FD-02, were not analyzed for iron, magnesium, manganese, potassium, or sodium, as specified on the COCs.

1.9 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

1.10 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

2.0 MERCURY

The samples were analyzed for mercury by US EPA method 7470A.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Time
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Equipment Blank
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ Sensitivity

2.1 Overall Assessment

The mercury data reported in this data package are considered usable for meeting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this dataset is 100%.

2.2 Holding Time

The holding time for the mercury analysis of a water sample is 28 days from sample collection to analysis. The holding times were met for the sample analyses.

2.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Mercury was not detected in the method blank at or above the MDL.

2.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples).

92779981: One sample set specific MS/MSD pair was reported, using sample HAM-HGWA-5. The recovery and RPD results were within laboratory specified acceptance criteria.

92779989: One sample set specific MS/MSD pair was reported, using sample HAM-HGWA-1. The recovery and RPD results were within laboratory specified acceptance criteria.

Batch MS/MSDs were also reported for mercury. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

2.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). The recovery results were within the laboratory specified acceptance criteria.

2.6 Equipment Blank

Three equipment blanks were collected with the sample set, HAM-UGRD-EB-01, HAM-AP2-EB-01 and HAM-AP2-EB-02. Mercury was not detected in the equipment blanks at or above the MDLs.

2.7 Field Blank

Three field blanks were collected with the sample set, HAM-UGRD-FB-01, HAM-AP2-FB-01 and HAM-AP2-FB-02. Mercury not detected in the field blanks at or above the MDLs.

2.8 Field Duplicate

Three field duplicate samples were collected with the sample set, HAM-UGRD-FD-01, HAM-AP2-FD-01 and HAM-AP2-FD-02. Acceptable precision (RPD < 30%) was demonstrated between the field duplicate and the original samples, HAM-HGWA-2, HAM-HGWC-16 and HAM-MW-23D, respectively.

2.9 Sensitivity

The samples were reported to the MDL. Elevated non-detect results were not reported.

2.10 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

3.0 WET CHEMISTRY

The samples were analyzed for chloride, fluoride, and sulfate by US EPA method 300.0 Rev 2.1 1993, TDS by SM 2540C-2015, alkalinity as CaCO3 (total, bicarbonate and carbonate) by SM 2320B-2011 and sulfide by SM 4500-S2D-2011.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
✓ Method Blank
⊗ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Laboratory Duplicate
✓ Equipment Blank
✓ Field Blank
✓ Field Duplicate
✓ Sensitivity

3.1 Overall Assessment

The wet chemistry data reported in this data package are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the

number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for these analyses, for this dataset is 100%.

3.2 Holding Times

The holding times for water samples are listed below. The holding times were met for the sample analyses.

Analysis	Holding Time
Anions (fluoride, chloride, and sulfate)	28 days from collection to analysis
TDS	7 days from collection to analysis
Alkalinity	14 days from collection to analysis
Sulfide	28 days from collection to analysis

3.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). The wet chemistry parameters were not detected in the method blanks at or above the MDLs.

3.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two sample set specific MS/MSD pairs were reported for alkalinity using samples HAM-HGWC-14 and HAM-HGWC-18. Four sample set specific MS/MSD pairs were reported for chloride, fluoride and sulfate using samples HAM-HGWC-17, HAM-MW-37D, HAM-HGWA-2. Two sample set specific MS/MSD pairs were reported for sulfide using samples HAM-MW-35 and HAM-HGWA-43D. The recovery and RPD results were within the laboratory specified acceptance criteria, with the following exceptions.

92779981: One or both recoveries of sulfate and chloride in the MS/MSD pair using sample HAM-HGWC-17 were low and outside of laboratory specified acceptance criteria. Since the sulfate concentration in sample HAM-HGWC-17 was greater than four times the spiked concentrations, no qualifications were applied to the sulfate data based on the MS/MSD recovery results. However, the concentration of chloride in sample HAM-HGWC-17 was J- qualified as estimated with a low bias.

The recoveries of sulfide in the MS/MSD pair using sample HAM-MW-35 were low and outside of laboratory specified acceptance criteria. Therefore, the non-detect result of sulfide in sample HAM-MW-35 was UJ qualified as estimated below the MDL.

92779989: The recoveries of sulfate in the MS/MSD pair using sample HAM-HGWA-2 were low and outside of laboratory specified acceptance criteria. Therefore, the concentration of sulfate in sample HAM-HGWA-2 was J- qualified as estimated with a low bias.

Batch MS/MSD pairs were also reported for alkalinity, anions, and sulfide. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	DQM Reason Code(s)
HAM-HGWC-17	Sulfate	224	M1	224	NA$^{\beta}$	MS3
HAM-HGWC-17	Chloride	77.7	M1	77.7	J-	MS1
HAM-MW-35	Sulfide	0.022	U,M1	0.022	UJ	MS1
HAM-HGWA-2	Sulfate	94.5	M1	94.5	J-	MS1

mg/L- milligram per liter
M1-Laboratory flag indicating that the matrix spike recovery exceeded QC limits.
U-not detected at or above the MDL
NA$^{\beta}$-Not applicable. The laboratory flag was removed, and no qualifications were applied to the data based on this validation.
mg/L- milligram per liter

3.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). The recovery results were within the laboratory specified acceptance criteria.

3.6 Laboratory Duplicate

Four laboratory duplicates were reported for TDS using samples HAM-HGWA-42D, HAM-AP2-FD-01, HAM-MW-35 and HAM-HGWA-43D. The RPD results were within the laboratory specified acceptance criteria.

Batch laboratory duplicates were also reported for TDS. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.7 Equipment Blank

Three equipment blanks were collected with the sample set, HAM-UGRD-EB-01, HAM-AP2-EB-01 and HAM-AP2-EB-02. The wet chemistry parameters were not detected in the equipment blank at or above the MDLs.

3.8 Field Blank

Three field blanks were collected with the sample set, HAM-UGRD-FB-01, HAM-AP2-FB-01 and HAM-AP2-FB-02. The wet chemistry parameters were not detected in the field blank at or above the MDLs.

3.9 Field Duplicate

Three field duplicate samples were collected with the sample set, HAM-UGRD-FD-01, HAM-AP2-FD-01 and HAM-AP2-FD-02. Acceptable precision (RPD < 30%) was demonstrated between the field duplicate and the original samples, HAM-HGWA-2, HAM-HGWC-16 and HAM-MW-23D, respectively, with the following exception.

Fluoride was detected at a concentration greater than the reporting limit (RL) in sample HAM-HGWA-2 and detected at an estimated concentration greater than the MDL and less than the RL in field duplicate HAM-UGRD-FD-01. Since the results are within an RL of each other, no qualifications were applied to the data.

The field duplicates, HAM-UGRD-FD-01, HAM-AP2-FD-01 and HAM-AP2-FD-02, were not analyzed for alkalinity or sulfide, as specified on the COCs.

3.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

3.11 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS
AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected at or above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to "not detected at or above the reported result."

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.

J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

DQM Reason Code	Description
AB1	> Samples in batch
AB2	QC sample missing
AB3	Batch analysis time exceeded
BAH	Contamination detected in the Ambient Blank greater than or equal to the Quantitation Limit.
BAL	Contamination detected in the Ambient Blank less than the Quantitation Limit.
BC	Calibration blank contamination
BC1	assoc. result < RL
BC2	assoc. result > RL < mult.
BC3	assoc. result > RL > mult.
BEH	Contamination detected in the Equipment Blank greater than or equal to the Quantitation Limit.
BEL	Contamination detected in the Equipment Blank less than the Quantitation Limit.
BF	Field blank contamination
BF1	assoc. result < RL
BF2	assoc. result > RL < mult.
BF3	assoc. result > RL > mult.
BFH	Contamination detected in the Field Blank greater than or equal to the Quantitation Limit.
BFL	Contamination detected in the Field Blank less than the Quantitation Limit.
BL	Laboratory blank contamination
BL1	assoc. result < RL
BL2	assoc. result > RL < mult.
BL3	assoc. result > RL > mult.
BLH	Contamination detected in the Lab Blank greater than or equal to the Quantitation Limit.
BLL	Contamination detected in the Lab Blank less than the Quantitation Limit.
BT	Trip blank contamination
BT1	assoc. result < RL
BT2	assoc. result > RL < mult.
BT3	assoc. result > RL > mult.
BTH	Contamination detected in the Trip Blank greater than or equal to the Quantitation Limit.
BTL	Contamination detected in the Trip Blank less than the Quantitation Limit.
CA1	Column difference
CC1	CCV %D
CC2	CCV %R
CC3	CCV RRF
CI1	IC RSD
CI2	IC RRF
CR1	Calibration range

DQM Reason Code	Description
CV1	ICV or CCV %D
CV2	ICV or CCV %R
CV3	ICV CCV RRF
DF1	Dilution Factor > 1
DL	Dilution Factor > 1
DVT1	The Dissolved Result > Total Result and the absolute difference > the AD_MULTIPLIER_CL * Detection Limit
DVT2	The Dissolved Result > Total Result and the absolute difference > AD_MULTIPLIER_UCO * Detection Limit
DVT3	The Dissolved Result > Total Result and the relative percent difference (RPD) > RPD_CL
DVT4	The Dissolved Result > Total Result and the relative percent difference (RPD) > RPD_UCO
ER1	MDL=<RESULT<RL (INORGANIC)
ER2	MDL=<RESULT<RL (ORGANIC)
FBC1	BLANK CONTAMINATION
FBC2	RESULT < BLANK * MULTIPLIER
FBC3	RESULT > BLANK * MULTIPLIER
FD1	Field duplicate RPD
FD2	Field duplicate abs. diff.
GHT1	GROSS_QUALIFIER_HIT
GHT2	GROSS_QUALIFIER_NON_DETECT
HP1	Hydrocarbon pattern
HT1	Holding time samp. to preservation
HT2	Holding time samp. to analysis
HT3	Holding time gros. samp. to pres.
HT4	Holding time gros. samp. to analysis
IS1	Internal standard
LBC1	BLANK CONTAMINATION
LBC2	RESULT < BLANK * MULTIPLIER
LBC3	RESULT > BLANK * MULTIPLIER
LD1	Lab duplicate RPD
LD2	Lab duplicate abs. diff.
LS1	LS %R
LS2	LS RPD
MS1	MS %R
MS2	MS RPD
MS3	Parent >4x spike
MS4	Spike diluted out

DQM Reason Code	Description
NP1	Non-Preferred Result
NR1	NUMERIC RESULTS
OT1	Other quality issue
PS1	BETWEEN CONTROL AND WARNING LIMITS
PS2	INVALID
PS3	LESS THAN LOWER CONTROL LIMIT
PS4	LESS THAN LOWER WARNING LIMIT
PT1	The preservative for this test id does not match the required preservative in RT_HOLDING_TIME.
RDL1	EXCEEDS REQUIRED DETECTION LIMIT
RL1	ND > project limit
RO1	Other rad. issue
RPD1	LCS/LCSD
RPD2	LCS/LCSD_NON_DETECT
RPD3	MS/MSD
RPD4	MS/MSD_NON_DETECT
RPD5	Orig/Dup
RPD6	Orig/Dup_NON_DETECT
RPDF1	FIELD DUPLICATE
RPDF2	FIELD DUPLICATE NON_DETECT
RQ1	Rad. quantitation issue
RR1	Repeated result same method
RR2	Repeated result diff. method
RSD1	RSD exceeds CL for LCS sample
RSD2	RSD exceeds CL for MS sample
RSD3	RSD exceeds CL for Lab sample
RSD4	RSD exceeds CL for Field sample
RY1	Tracer or carrier
SD1	Serial dilution
SO1	High moisture
SO2	Wet weight
SP1	Preservation, temp
SP2	Preservation, pH
SP3	Preservation, headspace
SPR1	BLANK SPIKE > UCL
SPR10	EarthSoft.DQM.SpikeRecovery2
SPR11	EarthSoft.DQM.SpikeRecovery2
SPR12	EarthSoft.DQM.SpikeRecovery2
SPR2	INORGANIC SPIKE > UCL

DQM Reason Code	Description
SPR3	ORGANIC SPIKE > UCL
SPR4	LCL > BLANK > LOW_CUTOFF
SPR5	LCL > INORG > LOW_CUTOFF
SPR6	LCL > ORG > LOW_CUTOFF
SPR7	BLANK SPIKE < LOW_CUTOFF
SPR8	INORGANIC SPIKE < LOW_CUTOFF
SPR9	ORGANIC SPIKE < LOW_CUTOFF
SU	Surrogate outlier
SU1	Surrogate
SU2	Surrogate diluted out
SURR1	ASSO. DETECTS OF LCL > REC > LOW_CUTOFF
SURR10	EarthSoft.DQM.SurrogateRecovery
SURR11	EarthSoft.DQM.SurrogateRecovery
SURR12	EarthSoft.DQM.SurrogateRecovery
SURR2	ASSO. DETECTS OF REC < LOW_CUTOFF
SURR3	ASSO. DETECTS OF REC > UCL
SURR4	ASSO. NDS OF LCL > REC > LOW_CUTOFF
SURR5	ASSO. NDS OF REC < LOW_CUTOFF
SURR6	ASSO. NDS OF REC > UCL
SURR7	LCL > REC > LOW_CUTOFF
SURR8	REC < LOW_CUTOFF
SURR9	REC > UCL
TBC1	BLANK CONTAMINATION
TBC2	RESULT < BLANK * MULTIPLIER
TBC3	RESULT > BLANK * MULTIPLIER
TR	Trace Detection
TR1	Trace detection
TRA1	Tracer is outside of UCL or LCL
TRA2	Associated result of a tracer less than the LCL
TRA3	Associated detect result of a tracer greater than the UCL
VC1	Canister vacuum
VC2	Canister contamination
VSU1	INVALID SAMPLE UNIT TYPE
VSU2	MISSING SAMPLE UNIT TYPE
VSU3	NON-DEFAULT RESULT UNIT

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Memorandum

Date:	13 August 2025
To:	Kristen Jurinko
From:	Ashley Wilson
CC:	Kristoffer Henderson
Subject:	**Stage 2A Data Validation - Level II Data Deliverable – Pace Analytical Services, LLC Project Number 92779982 and 92779992**

SITE: Plant Hammond AP-2

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of twenty-two aqueous samples, three field duplicates, three field blanks and three equipment blanks, collected 12-14, 16-18 February and 6 March 2025, as part of the Plant Hammond sampling event.

The samples were analyzed at Pace Analytical Services, LLC, Greensburg, Pennsylvania, for the following analytical tests:

- Radium-226 by United States (US) Environmental Protection Agency (EPA) Method 9315
- Radium-228 by US EPA Method 9320
- Total Radium by Calculation

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives. The qualified data should be used within the limitations of the qualifications. If there are results with two or more different qualifications due to multiple QC failures, the final qualification is reconciled in the electronic data deliverable (EDD) with qualifications.

The data were reviewed based on the pertinent methods referenced in the laboratory reports, professional and technical judgment, and the following documents:

- US EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011);
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006);

- Field Sampling Plan – All Sites, Georgia Power Company, Southern Company, January 2024, Revised May 2024; and
- Idaho National Engineering and Environmental Laboratory, RADIOANALYTICAL DATA VALIDATION, May 11, 2004 (GDE-205).

The following samples were analyzed and reported in the laboratory reports:

Laboratory IDs	Client IDs
92779982001	HAM-HGWA-4
92779982002	HAM-HGWA-5
92779982003	HAM-HGWA-6
92779982004	HAM-HGWA-42D
92779982005	HAM-HGWC-17
92779982006	HAM-MW-33
92779982007	HAM-AP2-EB-01
92779982008	HAM-AP2-FB-01
92779982009	HAM-HGWC-14
92779982010	HAM-HGWC-15
92779982011	HAM-HGWC-16
92779982012	HAM-HGWC-18
92779982013	HAM-MW-21D
92779982014	HAM-MW-22
92779982015	HAM-MW-23D
92779982016	HAM-MW-34D

Laboratory IDs	Client IDs
92779982017	HAM-MW-37D
92779982018	HAM-AP2-FD-01
92779982019	HAM-AP2-FD-02
92779982020	HAM-AP2-EB-02
92779982021	HAM-AP2-FB-02
92779982022	HAM-MW-35
92779982023	HAM-MW-51
92779992001	HAM-HGWA-1
92779992002	HAM-HGWA-43D
92779992003	HAM-HGWA-44D
92779992004	HAM-UGRD-EB-01
92779992005	HAM-UGRD-FB-01
92779992006	HAM-HGWA-2
92779992007	HAM-HGWA-3
92779992008	HAM-UGRD-FD-01

The samples were received within 0-6 degrees Celsius (^{o}C). No sample preservation issues were noted by the laboratory.

1.0 RADIOCHEMISTRY

The samples were analyzed for radium-226 by US EPA method 9315, radium-228 by US EPA method 9320 and total radium by calculation.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

⊗ Overall Assessment
✓ Holding Times
⊗ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
⊗ Laboratory Duplicate

✓ Tracers and Carriers
⊗ Field Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Sensitivity

1.1 Overall Assessment

1.1.1 Completeness

The radium-226 and radium-228 data reported in this data set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

1.1.2 Analysis Anomaly

Radium-228 was detected in sample HAM-AP2-FB-01, HAM-AP2-FB-02, HAM-HGWA-5, HAM-HGWC-18 and HAM-MW-35 at concentrations greater than the minimum detectable concentration (MDC) and total radium was U flag as less than the MDC. Since total radium is calculated from the combined radium 226 and 228 concentrations, and radium-228 was detected, the total radium result should be considered a detection greater than the MDC. Therefore, the U flag was removed for the total radium results for samples HAM-AP2-FB-01, HAM-AP2-FB-02, HAM-HGWA-5, HAM-HGWC-18 and HAM-MW-35.

Radium-226 was detected in sample HAM-MW-34D at a concentration greater than the MDC and total radium was U flag as less than the MDC. Since total radium is calculated from the combined radium 226 and 228 concentrations, and radium-226 was detected, the total radium result should be considered a detection greater than the MDC. Therefore, the U flag was removed for the total radium result for sample HAM-MW-34D.

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	DQM Reason Code
HAM-AP2-FB-01	Combined Radium 226 + 228	1.09	U	1.09	UJ	RO1
HAM-AP2-FB-02	Combined Radium 226 + 228	1.16	U	1.16	NA	RO1
HAM-HGWA-5	Combined Radium 226 + 228	1.30	U	1.30	NA	RO1
HAM-HGWC-18	Combined Radium 226 + 228	1.56	U	1.56	NA	RO1
HAM-MW-34D	Combined Radium 226 + 228	0.911	U	0.911	J	RO1

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	DQM Reason Code
HAM-MW-35	Combined Radium 226 + 228	1.17	U	1.17	NA	RO1

pCi/L-picocuries per liter
U-not detected at or above the MDC
NA-not applicable
* Validation qualifiers are defined in Attachment 1 at the end of this report
**Data Quality Module (DQM) reason codes are defined in Attachment 2 at the end of this report

1.2 Holding Times

The holding times for the radium-226 and radium-228 analyses of a water sample are 180 days from sample collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Method blanks were reported for the radium-226 and radium-228 data. Radium-226 and radium-228 were not detected in the method blanks at or above the measured 2σ uncertainty or the MDC, with the following exceptions.

92779982 and 92779992: Radium-228 (0.679 pCi/L) was detected in the method blanks in batch 728170 at concentrations greater than the measured 2σ uncertainty. No qualifications were added to the radium-228 results less than the MDC. However, the radium-228 concentrations for samples HAM-UGRD-FD-01, HAM-AP2-FB-01 and HAM-HGWA-5 were UJ qualified as not statistically distinguishable from the blank. In addition, the combined radium 226 + 228 concentrations for samples HAM-UGRD-FD-01, HAM-AP2-FB-01 and HAM-HGWA-5 were UJ qualified as not statistically distinguishable from the blank. The radium-228 concentration for sample HAM-HGWA-4 was J qualified as estimated. Additionally, the combined radium 226 + 228 concentration for sample HAM-HGWA-4 was also J qualified as estimated.

92779982 and 92779992: Radium-226 (0.652 pCi/L) was detected in the method blank in batch 728168 at a concentration greater than the measured 2σ uncertainty. No qualifications were added to the radium-228 results less than the MDC. However, the radium-226 result for sample HAM-UGRD-FD-01 was UJ qualified as not statistically distinguishable from the blank.

Since both the radium-226 and radium-228 result for sample HAM-UGRD-FD-01 were UJ qualified as not statistically distinguishable from the blank, the combined radium 226 + 228 result for sample HAM-UGRD-FD-01 was UJ qualified as not statistically distinguishable from the blank

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	DQM Reason Code
HAM-AP2-FB-01	Radium-228	1.09	NA	1.09	UJ	BL
HAM-AP2-FB-01	Combined Radium 226 + 228	1.09	U	1.09	UJ	BL
HAM-HGWA-4	Radium-228	1.45	NA	1.45	J	BL
HAM-HGWA-4	Combined Radium 226 + 228	1.83	NA	1.83	J	BL
HAM-HGWA-5	Radium-228	0.957	NA	0.957	UJ	BL
HAM-HGWA-5	Combined Radium 226 + 228	1.30	U	1.30	UJ	BL
HAM-UGRD-FD-01	Radium-226	0.401	NA	0.401	UJ	BL
HAM-UGRD-FD-01	Radium-228	1.30	NA	1.30	UJ	BL
HAM-UGRD-FD-01	Combined Radium 226 + 228	1.70	NA	1.70	UJ	BL

pCi/L-picocuries per liter
U-not detected at or above the MDC
NA-not applicable

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Batch MS/MSD pairs were reported with the sample set. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). LCS/LCS duplicate (LCSD) pairs were reported for radium-226 and radium-228. The recovery and mean difference (MD) results were within the laboratory specified acceptance criteria.

1.6 Laboratory Duplicate

Two laboratory duplicates were reported, using samples HAM-MW-34D. The MD results were within the laboratory specified acceptance criteria, with the following exception.

The relative percent difference (RPD) of radium-226 for the laboratory duplicate using sample HAM-MW-34D high and outside of laboratory specified acceptance criteria. Since the MD of radium-226 between HAM-MW-34D and the associated laboratory duplicate was greater than 3, the radium-226 concentration for sample HAM-MW-34D was J qualified as estimated. Since total radium is calculated from the combined radium 226 and 228 concentrations, and radium-226 was qualified as estimated, the combined radium 226 + 228 result was also J qualified as estimated.

A batch laboratory duplicate was reported with the sample set. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	DQM Reason Code
HAM-MW-34D	Radium-226	0.482	NA	0.482	J	LD1
HAM-MW-34D	Combined Radium 226 + 228	0.911	U	0.911	J	LD1

pCi/L-picocuries per liter
U-not detected at or above the MDC
NA-not applicable

1.7 Tracers and Carriers

Carriers were reported for the radium-226 and radium-228 analyses, and a tracer was reported for the radium-228 analyses. The recovery results were within the laboratory specified acceptance criteria.

1.8 Field Blank

Three field blanks, HAM-AP2-FB-01, HAM-AP2-FB-02 and HAM-UGRD-FB-01, were collected with the sample set and analyzed for radium-226 and radium-228. Radium-226 and radium-228 were not detected in the field blanks at or above the measured 2σ uncertainty or the MDC, with the following exceptions.

92779982: Radium-228 (1.09 and 1.03 pCi/L) was detected in HAM-AP2-FB-01 and HAM-AP2-FB-02 at concentrations greater than the MDC. No qualifications were added to the radium-228 results less than the MDC. Since the radium-228 in sample HAM-AP2-FB-01 was previously qualified due to method blank contamination, no additional qualifications were applied to the data. However, the radium-228 and combined radium 226 + 228 results for samples HAM-HGWC-18 and HAM-MW-35 were UJ qualified as not statistically distinguishable from the blank.

92779992: Radium-228 (0.998 pCi/L) was detected in HAM-UGRD-FB-01 at a concentration greater than the measured 2σ uncertainty. Since the associated radium-228 results were either less than the MDC or UJ qualified due to method blank contamination, no additional qualifications were applied to the data.

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	DQM Reason Code
HAM-HGWC-18	Radium-228	1.17	NA	1.17	UJ	BF
HAM-HGWC-18	Combined Radium 226 + 228	1.56	U	1.56	UJ	BF

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	DQM Reason Code
HAM-MW-35	Radium-228	0.717	NA	0.717	UJ	BF
HAM-MW-35	Combined Radium 226 + 228	1.17	U	1.17	UJ	BF

pCi/L-picocuries per liter
U-not detected at or above the MDC
NA-not applicable

1.9 Equipment Blank

Three equipment blanks, HAM-AP2-EB-01, HAM-AP2-EB-02 and HAM-UGRD-EB-01, were collected with the sample set and analyzed for radium-226 and radium-228. Radium-226 and radium-228 were not detected in the field blanks at or above the measured 2σ uncertainty or the MDC, with the following exceptions.

92779982: Radium-226 (0.301 pCi/L) was detected in HAM-AP2-EB-01 at a concentration greater than the measured 2σ uncertainty. Since the associated radium-226 results were either less than the MDC or UJ qualified due to method blank contamination, no additional qualifications were applied to the data.

92779982: Radium-228 (0.864 and 0.426) was detected in HAM-AP2-EB-01 and HAM-AP2-EB-02, respectively, at concentrations greater than the measured 2σ uncertainty. Since the associated radium-228 results were either less than the MDC or UJ qualified due to method or field blank contamination, no additional qualifications were applied to the data.

92779992: Radium-228 (0.601 pCi/L) was detected in HAM-UGRD-EB-01at a concentration greater than the measured 2σ uncertainty. No qualifications were added to the radium-228 results less than the MDC. Since the associated radium-228 results were either less than the MDC or UJ qualified due to method blank contamination, no additional qualifications were applied to the data.

1.10 Field Duplicate

Three field duplicate samples, HAM-UGRD-FD-01, HAM-AP2-FD-01 and HAM-AP2-FD-02, were collected with the sample set. Acceptable precision [MD ≤ 3, relative percent difference (RPD) < 20%] was demonstrated between the field duplicates and the original samples, HAM-HGWA-2, HAM-HGWC-16 and HAM-MW-23D, respectively.

1.11 Sensitivity

The samples were reported to the MDCs. No elevated non-detect results were reported.

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ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to "not detected at or above the reported result."

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.

J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

DQM Reason Code	Description
AB1	> Samples in batch
AB2	QC sample missing
AB3	Batch analysis time exceeded
BAH	Contamination detected in the Ambient Blank greater than or equal to the Quantitation Limit.
BAL	Contamination detected in the Ambient Blank less than the Quantitation Limit.
BC	Calibration blank contamination
BC1	assoc. result < RL
BC2	assoc. result > RL < mult.
BC3	assoc. result > RL > mult.
BEH	Contamination detected in the Equipment Blank greater than or equal to the Quantitation Limit.
BEL	Contamination detected in the Equipment Blank less than the Quantitation Limit.
BF	Field blank contamination
BF1	assoc. result < RL
BF2	assoc. result > RL < mult.
BF3	assoc. result > RL > mult.
BFH	Contamination detected in the Field Blank greater than or equal to the Quantitation Limit.
BFL	Contamination detected in the Field Blank less than the Quantitation Limit.
BL	Laboratory blank contamination
BL1	assoc. result < RL
BL2	assoc. result > RL < mult.
BL3	assoc. result > RL > mult.
BLH	Contamination detected in the Lab Blank greater than or equal to the Quantitation Limit.
BLL	Contamination detected in the Lab Blank less than the Quantitation Limit.
BT	Trip blank contamination
BT1	assoc. result < RL
BT2	assoc. result > RL < mult.
BT3	assoc. result > RL > mult.
BTH	Contamination detected in the Trip Blank greater than or equal to the Quantitation Limit.
BTL	Contamination detected in the Trip Blank less than the Quantitation Limit.
CA1	Column difference
CC1	CCV %D
CC2	CCV %R
CC3	CCV RRF
CI1	IC RSD
CI2	IC RRF
CR1	Calibration range
CV1	ICV or CCV %D
CV2	ICV or CCV %R
CV3	ICV CCV RRF
DF1	Dilution Factor > 1
DL	Dilution Factor > 1

DQM Reason Code	Description
DVT1	The Dissolved Result > Total Result and the absolute difference > the AD_MULTIPLIER_CL * Detection Limit
DVT2	The Dissolved Result > Total Result and the absolute difference > AD_MULTIPLIER_UCO * Detection Limit
DVT3	The Dissolved Result > Total Result and the relative percent difference (RPD) > RPD_CL
DVT4	The Dissolved Result > Total Result and the relative percent difference (RPD) > RPD_UCO
ER1	MDL=<RESULT<RL (INORGANIC)
ER2	MDL=<RESULT<RL (ORGANIC)
FBC1	BLANK CONTAMINATION
FBC2	RESULT < BLANK * MULTIPLIER
FBC3	RESULT > BLANK * MULTIPLIER
FD1	Field duplicate RPD
FD2	Field duplicate abs. diff.
GHT1	GROSS_QUALIFIER_HIT
GHT2	GROSS_QUALIFIER_NON_DETECT
HP1	Hydrocarbon pattern
HT1	Holding time samp. to preservation
HT2	Holding time samp. to analysis
HT3	Holding time gros. samp. to pres.
HT4	Holding time gros. samp. to analysis
IS1	Internal standard
LBC1	BLANK CONTAMINATION

DQM Reason Code	Description
LBC2	RESULT < BLANK * MULTIPLIER
LBC3	RESULT > BLANK * MULTIPLIER
LD1	Lab duplicate RPD
LD2	Lab duplicate abs. diff.
LS1	LS %R
LS2	LS RPD
MS1	MS %R
MS2	MS RPD
MS3	Parent >4x spike
MS4	Spike diluted out
NP1	Non-Preferred Result
NR1	NUMERIC RESULTS
OT1	Other quality issue
PS1	BETWEEN CONTROL AND WARNING LIMITS
PS2	INVALID
PS3	LESS THAN LOWER CONTROL LIMIT
PS4	LESS THAN LOWER WARNING LIMIT
PT1	The preservative for this test id does not match the required preservative in RT_HOLDING_TIME.
RDL1	EXCEEDS REQUIRED DETECTION LIMIT
RL1	ND > project limit
RO1	Other rad. issue
RPD1	LCS/LCSD
RPD2	LCS/LCSD_NON_DETECT
RPD3	MS/MSD
RPD4	MS/MSD_NON_DETECT

DQM Reason Code	Description
RPD5	Orig/Dup
RPD6	Orig/Dup_NON_DETECT
RPDF1	FIELD DUPLICATE
RPDF2	FIELD DUPLICATE NON_DETECT
RQ1	Rad. quantitation issue
RR1	Repeated result same method
RR2	Repeated result diff. method
RSD1	RSD exceeds CL for LCS sample
RSD2	RSD exceeds CL for MS sample
RSD3	RSD exceeds CL for Lab sample
RSD4	RSD exceeds CL for Field sample
RY1	Tracer or carrier
SD1	Serial dilution
SO1	High moisture
SO2	Wet weight
SP1	Preservation, temp
SP2	Preservation, pH
SP3	Preservation, headspace
SPR1	BLANK SPIKE > UCL
SPR10	EarthSoft.DQM.SpikeRecovery2
SPR11	EarthSoft.DQM.SpikeRecovery2
SPR12	EarthSoft.DQM.SpikeRecovery2
SPR2	INORGANIC SPIKE > UCL
SPR3	ORGANIC SPIKE > UCL
SPR4	LCL > BLANK > LOW_CUTOFF
SPR5	LCL > INORG > LOW_CUTOFF
SPR6	LCL > ORG > LOW_CUTOFF
SPR7	BLANK SPIKE < LOW_CUTOFF

DQM Reason Code	Description
SPR8	INORGANIC SPIKE < LOW_CUTOFF
SPR9	ORGANIC SPIKE < LOW_CUTOFF
SU	Surrogate outlier
SU1	Surrogate
SU2	Surrogate diluted out
SURR1	ASSO. DETECTS OF LCL > REC > LOW_CUTOFF
SURR10	EarthSoft.DQM.SurrogateRecovery
SURR11	EarthSoft.DQM.SurrogateRecovery
SURR12	EarthSoft.DQM.SurrogateRecovery
SURR2	ASSO. DETECTS OF REC < LOW_CUTOFF
SURR3	ASSO. DETECTS OF REC > UCL
SURR4	ASSO. NDS OF LCL > REC > LOW_CUTOFF
SURR5	ASSO. NDS OF REC < LOW_CUTOFF
SURR6	ASSO. NDS OF REC > UCL
SURR7	LCL > REC > LOW_CUTOFF
SURR8	REC < LOW_CUTOFF
SURR9	REC > UCL
TBC1	BLANK CONTAMINATION
TBC2	RESULT < BLANK * MULTIPLIER
TBC3	RESULT > BLANK * MULTIPLIER
TR	Trace Detection
TR1	Trace detection
TRA1	Tracer is outside of UCL or LCL
TRA2	Associated result of a tracer less than the LCL
TRA3	Associated detect result of a tracer greater than the UCL
VC1	Canister vacuum
VC2	Canister contamination

DQM Reason Code	Description
VSU1	INVALID SAMPLE UNIT TYPE
VSU2	MISSING SAMPLE UNIT TYPE

DQM Reason Code	Description
VSU3	NON-DEFAULT RESULT UNIT

AD-Absolute Difference
CCV-Continuous Calibration Verification
CL-Control Limit
%D-Percent Difference
IC-Initial Calibration
ICV-Initial Calibration Verification
INORG-Inorganic
LCL-Lower Control Limit
LCS-Laboratory Control Spike
LCSD-Laboratory Control Spike Duplicate
LS-Laboratory Spike
MDL-Method Detection Limit
MS-Matrix Spike
MSD-Matrix Spike Duplicate
ND-Not Detected
ORG-Organic
QC-Quality Control
%R-Percent Recovery
REC-Recovery
RL-Reporting Limit
RPD-Relative Percent Difference
RRF-Relative Response Factor
RSD-Relative Standard Deviation
UCL-Upper Control Limit
UCO-Upper Cut Off

AUGUST 2025

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Memorandum – Revision 1

Date:	26 January 2026
To:	Caroline Nelson
From:	Derek Yeadon
CC:	Kristoffer Henderson
Subject:	**Stage 2A Data Validation - Level II Data Deliverable – Pace Project Number 92817686**

SITE: Plant Hammond-Upgradient

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of five water samples, one field duplicate, one field blank, and one equipment blank, collected on 5 August 2025, as part of the Plant Hammond AP-1 on-site sampling event.

The anions and total dissolved solids analyses were performed by Pace Analytical Services, Inc., Asheville, North Carolina (Pace Asheville). The metals and mercury analyses were performed by Pace Analytical Services, Inc., West Columbia, South Carolina (Pace West Columbia). The metals analyses were performed by Pace Analytical Services, Inc., Mount Juliet, Tennessee (Pace National). The samples were analyzed for one or more of the following tests:

- Metals by United States (US) Environmental Protection Agency (EPA) Methods 3015/6020B and 3005A/6020B
- Mercury by US EPA Method 7470A
- Anions (Chloride, Fluoride and Sulfate) by US EPA Method 300.0 R2.1 1993
- Total Dissolved Solids (TDS) by SM 2540C-2020

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives.

The data were reviewed based on the pertinent methods referenced in the laboratory reports, professional and technical judgment, and the following documents:

- US EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006).

The following samples were analyzed and reported in the laboratory reports:

Laboratory IDs	Client IDs
92811471001	HAM-HGWA-1
92811471002	HAM-HGWA-2
92811471003	HAM-HGWA-3
92811471004	HAM-HGWA-43D
92811471005	HAM-HGWA-44D

Laboratory IDs	Client IDs
92811471006	HAM-UGRD-FD-01
92811471007	HAM-UGRD-EB-01
92811471008	HAM-UGRD-FB-01

The laboratory reported results for the analytical method(s) requested for each sample on the chains of custody (COCs).

The samples were received within 0-6 degrees Celsius (°C). No sample preservation issues were noted by the laboratory.

This data validation report was revised on January 26, 2026 to correct the sample ID table and to change the site name.

1.0 METALS

The samples were analyzed for metals by US EPA methods 3015/6020B and 3005A/6020B. (Mercury was evaluated separately in Section 2.0, below)

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Time
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Field Blank
✓ Field Duplicate
✓ Equipment Blank
✓ Sensitivity
✓ Electronic Data Deliverables Review

1.1 Overall Assessment

The metals data reported in this data package are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

1.2 Holding Time

The holding time for the metals analysis of a water sample is 180 days from sample collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two method blanks were reported. Metals were not detected in the method blanks above the method detection limits (MDLs).

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two batch MS/MSD pairs were reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two LCSs were reported. The recovery results were within the laboratory specified acceptance criteria.

1.6 Field Blank

One field blank, HAM-UGRD-FB-01, was collected with the sample set. Metals were not detected in the field blank above the MDLs.

1.7 Field Duplicate

One field duplicate, HAM-UGRD-FD-01, was collected with the sample set. Acceptable precision (RPD $\leq$ 30%) was demonstrated between the field duplicate and the original sample, HAM-HGWA-44D.

1.8 Equipment Blank

One equipment blank, HAM-UGRD-EB-01, was collected with the sample set. Metals were not detected in the equipment blank above the MDLs.

1.9 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

1.10 Electronic Data Deliverable (EDD) Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

2.0 MERCURY

The samples were analyzed for mercury by US EPA Method 7470A.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Time
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ Equipment Blank
- ✓ Sensitivity
- ✓ Electronic Data Deliverable Review

2.1 Overall Assessment

The mercury data reported in this data package are considered usable for supporting project objectives. The results are considered valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

2.2 Holding Time

The holding time for the mercury analysis of a water sample is 28 days from sample collection to analysis. The holding times were met for the sample analyses.

2.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One method blank was reported. Mercury was not detected in the method blank above the MDL.

2.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One batch MS/MSD pair was reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

2.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS was reported. The recovery result was within the laboratory specified acceptance criteria.

2.6 Field Blank

One field blank, HAM-UGRD-FB-01, was collected with the sample set. Mercury was not detected in the field blank above the MDL.

2.7 Field Duplicate

One field duplicate, HAM-UGRD-FD-01, was collected with the sample set. Acceptable precision (RPD $\leq$ 30%) was demonstrated between the field duplicate and the original sample, HAM-HGWA-44D.

2.8 Equipment Blank

One equipment blank, HAM-UGRD-EB-01, was collected with the sample set. Mercury was not detected in the equipment blank above the MDL.

2.9 Sensitivity

The samples were reported to the MDL. Elevated non-detect results were not reported.

2.10 Electronic Data Deliverable Review

Results and sample ID in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

3.0 WET CHEMISTRY

The samples were analyzed for anions by US EPA method 300.0 and TDS by SM 2540C.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Times
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Laboratory Duplicate
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ Equipment Blank
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

3.1 Overall Assessment

The wet chemistry data reported in this data package are considered usable for supporting project objectives. The results are considered valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

3.2 Holding Times

The holding time for the anions (fluoride, chloride, sulfate) analysis of a water sample is 28 days from sample collection to analysis. The holding time for the TDS analysis of a water sample is 7 days from sample collection to analysis. The holding times were met for the sample analyses.

3.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One method blank was reported for anions. One method blank was reported for TDS. The wet chemistry parameters were not detected in the method blanks above the MDLs.

3.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two batch MS/MSD pairs were reported for anions. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). The recovery results were within the laboratory specified acceptance criteria.

3.6 Laboratory Duplicate

Two batch laboratory duplicates were reported for TDS. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.7 Field Blank

One field blank, HAM-UGRD-FB-01, was collected with the sample set. The wet chemistry parameters were not detected in the field blanks above the MDLs.

3.8 Field Duplicate

One field duplicate, HAM-UGRD-FD-01, was collected with the sample set. Acceptable precision (RPD $\leq$ 30%) was demonstrated between the field duplicate and the original sample, HAM-HGWA-44D.

3.9 Equipment Blank

One equipment blank, HAM-UGRD-EB-01, was collected with the sample set. Metals were not detected in the equipment blanks above the MDLs.

3.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

3.11 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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DATA VALIDATION QUALIFIER DEFINITIONS AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to "not detected at or above the reported result."

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.

J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

DQM Reason Code	Description
AB1	> Samples in batch
AB2	QC sample missing
AB3	Batch analysis time exceeded
BAH	Contamination detected in the Ambient Blank greater than or equal to the Quantitation Limit.
BAL	Contamination detected in the Ambient Blank less than the Quantitation Limit.
BC	Calibration blank contamination
BC1	assoc. result < RL
BC2	assoc. result > RL < mult.
BC3	assoc. result > RL > mult.
BEH	Contamination detected in the Equipment Blank greater than or equal to the Quantitation Limit.
BEL	Contamination detected in the Equipment Blank less than the Quantitation Limit.
BF	Field blank contamination
BF1	assoc. result < RL
BF2	assoc. result > RL < mult.
BF3	assoc. result > RL > mult.
BFH	Contamination detected in the Field Blank greater than or equal to the Quantitation Limit.
BFL	Contamination detected in the Field Blank less than the Quantitation Limit.
BL	Laboratory blank contamination
BL1	assoc. result < RL

DQM Reason Code	Description
BL2	assoc. result > RL < mult.
BL3	assoc. result > RL > mult.
BLH	Contamination detected in the Lab Blank greater than or equal to the Quantitation Limit.
BLL	Contamination detected in the Lab Blank less than the Quantitation Limit.
BT	Trip blank contamination
BT1	assoc. result < RL
BT2	assoc. result > RL < mult.
BT3	assoc. result > RL > mult.
BTH	Contamination detected in the Trip Blank greater than or equal to the Quantitation Limit.
BTL	Contamination detected in the Trip Blank less than the Quantitation Limit.
CA1	Column difference
CC1	CCV %D
CC2	CCV %R
CC3	CCV RRF
CI1	IC RSD
CI2	IC RRF
CR1	Calibration range
CV1	ICV or CCV %D
CV2	ICV or CCV %R
CV3	ICV CCV RRF
DF1	Dilution Factor > 1

DQM Reason Code	Description
DL	Dilution Factor > 1
DVT1	The Dissolved Result > Total Result and the absolute difference > the AD_MULTIPLIER_CL * Detection Limit
DVT2	The Dissolved Result > Total Result and the absolute difference > AD_MULTIPLIER_UCO * Detection Limit
DVT3	The Dissolved Result > Total Result and the relative percent difference (RPD) > RPD_CL
DVT4	The Dissolved Result > Total Result and the relative percent difference (RPD) > RPD_UCO
ER1	MDL=<RESULT<RL (INORGANIC)
ER2	MDL=<RESULT<RL (ORGANIC)
FBC1	BLANK CONTAMINATION
FBC2	RESULT < BLANK * MULTIPLIER
FBC3	RESULT > BLANK * MULTIPLIER
FD1	Field duplicate RPD
FD2	Field duplicate abs. diff.
GHT1	GROSS_QUALIFIER_HIT
GHT2	GROSS_QUALIFIER_NON_DETECT
HP1	Hydrocarbon pattern
HT1	Holding time samp. to preservation
HT2	Holding time samp. to analysis
HT3	Holding time gros. samp. to pres.
HT4	Holding time gros. samp. to analysis
IS1	Internal standard
LBC1	BLANK CONTAMINATION

DQM Reason Code	Description
LBC2	RESULT < BLANK * MULTIPLIER
LBC3	RESULT > BLANK * MULTIPLIER
LD1	Lab duplicate RPD
LD2	Lab duplicate abs. diff.
LS1	LS %R
LS2	LS RPD
MS1	MS %R
MS2	MS RPD
MS3	Parent >4x spike
MS4	Spike diluted out
NP1	Non-Preferred Result
NR1	NUMERIC RESULTS
OT1	Other quality issue
PS1	BETWEEN CONTROL AND WARNING LIMITS
PS2	INVALID
PS3	LESS THAN LOWER CONTROL LIMIT
PS4	LESS THAN LOWER WARNING LIMIT
PT1	The preservative for this test id does not match the required preservative in RT_HOLDING_TIME.
RDL1	EXCEEDS REQUIRED DETECTION LIMIT
RL1	ND > project limit
RO1	Other rad. issue
RPD1	LCS/LCSD
RPD2	LCS/LCSD_NON_DETECT
RPD3	MS/MSD
RPD4	MS/MSD_NON_DETECT

DQM Reason Code	Description
RPD5	Orig/Dup
RPD6	Orig/Dup_NON_DETECT
RPDF1	FIELD DUPLICATE
RPDF2	FIELD DUPLICATE NON_DETECT
RQ1	Rad. quantitation issue
RR1	Repeated result same method
RR2	Repeated result diff. method
RSD1	RSD exceeds CL for LCS sample
RSD2	RSD exceeds CL for MS sample
RSD3	RSD exceeds CL for Lab sample
RSD4	RSD exceeds CL for Field sample
RY1	Tracer or carrier
SD1	Serial dilution
SO1	High moisture
SO2	Wet weight
SP1	Preservation, temp
SP2	Preservation, pH
SP3	Preservation, headspace
SPR1	BLANK SPIKE > UCL
SPR10	EarthSoft.DQM.SpikeRecovery2
SPR11	EarthSoft.DQM.SpikeRecovery2
SPR12	EarthSoft.DQM.SpikeRecovery2
SPR2	INORGANIC SPIKE > UCL
SPR3	ORGANIC SPIKE > UCL
SPR4	LCL > BLANK > LOW_CUTOFF
SPR5	LCL > INORG > LOW_CUTOFF
SPR6	LCL > ORG > LOW_CUTOFF
SPR7	BLANK SPIKE < LOW_CUTOFF

DQM Reason Code	Description
SPR8	INORGANIC SPIKE < LOW_CUTOFF
SPR9	ORGANIC SPIKE < LOW_CUTOFF
SU	Surrogate outlier
SU1	Surrogate
SU2	Surrogate diluted out
SURR1	ASSO. DETECTS OF LCL > REC > LOW_CUTOFF
SURR10	EarthSoft.DQM.SurrogateRecovery
SURR11	EarthSoft.DQM.SurrogateRecovery
SURR12	EarthSoft.DQM.SurrogateRecovery
SURR2	ASSO. DETECTS OF REC < LOW_CUTOFF
SURR3	ASSO. DETECTS OF REC > UCL
SURR4	ASSO. NDS OF LCL > REC > LOW_CUTOFF
SURR5	ASSO. NDS OF REC < LOW_CUTOFF
SURR6	ASSO. NDS OF REC > UCL
SURR7	LCL > REC > LOW_CUTOFF
SURR8	REC < LOW_CUTOFF
SURR9	REC > UCL
TBC1	BLANK CONTAMINATION
TBC2	RESULT < BLANK * MULTIPLIER
TBC3	RESULT > BLANK * MULTIPLIER
TR	Trace Detection
TR1	Trace detection
TRA1	Tracer is outside of UCL or LCL
TRA2	Associated result of a tracer less than the LCL
TRA3	Associated detect result of a tracer greater than the UCL
VC1	Canister vacuum
VC2	Canister contamination

DQM Reason Code	Description
VSU1	INVALID SAMPLE UNIT TYPE
VSU2	MISSING SAMPLE UNIT TYPE
VSU3	NON-DEFAULT RESULT UNIT

AD-Absolute Difference
CCV-Continuous Calibration Verification
CL-Control Limit
%D-Percent Difference
IC-Initial Calibration
ICV-Initial Calibration Verification
INORG-Inorganic
LCL-Lower Control Limit
LCS-Laboratory Control Spike
LCSD-Laboratory Control Spike Duplicate
LS-Laboratory Spike
MDL-Method Detection Limit
MS-Matrix Spike
MSD-Matrix Spike Duplicate
ND-Not Detected
ORG-Organic
QC-Quality Control
%R-Percent Recovery
REC-Recovery
RL-Reporting Limit
RPD-Relative Percent Difference
RRF-Relative Response Factor
RSD-Relative Standard Deviation
UCL-Upper Control Limit
UCO-Upper Cut Off

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Memorandum- Revision 1

Date:	26 January 2026
To:	Kristen Jurinko
From:	Matthew Richardson
CC:	Kristoffer Henderson
Subject:	**Stage 2A Data Validation - Level II Data Deliverable – Pace Analytical Services, LLC Project Number 92817701**

SITE: Plant Hammond-Upgradient

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation five groundwater samples, one field duplicate, one field blank and one equipment blank, collected on 5 August 2025, as part of the Plant Hammond AP on-site sampling event.

The samples were analyzed at Pace Analytical Services, LLC, Greensburg, Pennsylvania, for the following analytical tests:

- Radium-226 by United States (US) Environmental Protection Agency (EPA) Method 9315
- Radium-228 by US EPA Method 9320
- Total Radium by Calculation

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives. The qualified data should be used within the limitations of the qualifications.

The data were reviewed based on the pertinent methods referenced in the laboratory reports, professional and technical judgment, and the following documents:

- US EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011);
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006);
- Field Sampling Plan – All Sites, Georgia Power Company, Southern Company, January 2024, Revised May 2024; and

- Idaho National Engineering and Environmental Laboratory, RADIOANALYTICAL DATA VALIDATION, May 11, 2004 (GDE-205).

The following samples were analyzed and reported in the laboratory reports:

Laboratory IDs	Client IDs
92811478001	HAM-HGWA-1
92811478002	HAM-HGWA-2
92811478003	HAM-HGWA-3
92811478004	HAM-HGWA-43D

Laboratory IDs	Client IDs
92811478005	HAM-HGWA-44D
92811478006	HAM-UGRD-FD-01
92811478007	HAM-UGRD-EB-01
92811478008	HAM-UGRD-FB-01

The samples were received within 0-6 degrees Celsius (ºC). No sample preservation issues were noted by the laboratory.

This data validation report was revised on January 26, 2026 to update the site name.

1.0 RADIOCHEMISTRY

The samples were analyzed for radium-226 by US EPA method 9315, radium-228 by US EPA method 9320 and total radium by calculation.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Laboratory Duplicate
✓ Tracers and Carriers
✓ Field Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Sensitivity

1.1 Overall Assessment

The radium-226 and radium-228 data reported in this data set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio

of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

1.2 Holding Times

The holding times for the radium-226 and radium-228 analyses of a water sample are 180 days from sample collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Method blanks were reported for the radium-226 and radium-228 data. Radium-226 and radium-228 were not detected in the method blanks at or above the measured 2σ uncertainty or the minimum detectable concentration (MDC).

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSD pairs were not reported with the sample set.

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). LCS/LCS duplicate (LCSD) pairs were reported for radium-226 and radium-228. The recovery and mean difference (MD) results were within the laboratory specified acceptance criteria.

However, the relative percent difference (RPD) for radium-226 in the LCS/LCSD pair in batch 763825 was high and outside of the laboratory specified acceptance criteria. Since the MD was acceptable and based on professional and technical judgment, no qualifications were applied to the data.

1.6 Laboratory Duplicate

Batch laboratory duplicates were reported with the sample set. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

1.7 Tracers and Carriers

Carriers were reported for the radium-226 and radium-228 analyses, and a tracer was reported for the radium-228 analyses. The recovery results were within the laboratory specified acceptance criteria.

1.8 Field Blank

One field blank, HAM-UGRD-FB-01, was collected with the sample set and analyzed for radium-226 and radium-228. Radium-226 and radium-228 were not detected in the field blank at or above the measured 2σ uncertainty or the MDC.

1.9 Equipment Blank

One equipment blank, HAM-UGRD-EB-01, was collected with the sample set and analyzed for radium-226 and radium-228. Radium-226 and radium-228 were not detected in the equipment blank at or above the measured 2σ uncertainty or the MDC.

1.10 Field Duplicate

One field duplicate sample, HAM-UGRD-FD-01, was collected with the sample set. Acceptable precision (MD ≤ 3, RPD < 20%) was demonstrated between the field duplicate and the original sample, HAM-HGWA-44D.

1.11 Sensitivity

The samples were reported to the MDCs. No elevated non-detect results were reported.

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ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to "not detected at or above the reported result."

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.

J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

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ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

DQM Reason Code	Description
AB1	> Samples in batch
AB2	QC sample missing
AB3	Batch analysis time exceeded
BAH	Contamination detected in the Ambient Blank greater than or equal to the Quantitation Limit.
BAL	Contamination detected in the Ambient Blank less than the Quantitation Limit.
BC	Calibration blank contamination
BC1	assoc. result < RL
BC2	assoc. result > RL < mult.
BC3	assoc. result > RL > mult.
BEH	Contamination detected in the Equipment Blank greater than or equal to the Quantitation Limit.
BEL	Contamination detected in the Equipment Blank less than the Quantitation Limit.
BF	Field blank contamination
BF1	assoc. result < RL
BF2	assoc. result > RL < mult.
BF3	assoc. result > RL > mult.
BFH	Contamination detected in the Field Blank greater than or equal to the Quantitation Limit.
BFL	Contamination detected in the Field Blank less than the Quantitation Limit.
BL	Laboratory blank contamination
BL1	assoc. result < RL
BL2	assoc. result > RL < mult.

DQM Reason Code	Description
BL3	assoc. result > RL > mult.
BLH	Contamination detected in the Lab Blank greater than or equal to the Quantitation Limit.
BLL	Contamination detected in the Lab Blank less than the Quantitation Limit.
BT	Trip blank contamination
BT1	assoc. result < RL
BT2	assoc. result > RL < mult.
BT3	assoc. result > RL > mult.
BTH	Contamination detected in the Trip Blank greater than or equal to the Quantitation Limit.
BTL	Contamination detected in the Trip Blank less than the Quantitation Limit.
CA1	Column difference
CC1	CCV %D
CC2	CCV %R
CC3	CCV RRF
CI1	IC RSD
CI2	IC RRF
CR1	Calibration range
CV1	ICV or CCV %D
CV2	ICV or CCV %R
CV3	ICV CCV RRF
DF1	Dilution Factor > 1
DL	Dilution Factor > 1

DQM Reason Code	Description
DVT1	The Dissolved Result > Total Result and the absolute difference > the AD_MULTIPLIER_CL * Detection Limit
DVT2	The Dissolved Result > Total Result and the absolute difference > AD_MULTIPLIER_UCO * Detection Limit
DVT3	The Dissolved Result > Total Result and the relative percent difference (RPD) > RPD_CL
DVT4	The Dissolved Result > Total Result and the relative percent difference (RPD) > RPD_UCO
ER1	MDL=<RESULT<RL (INORGANIC)
ER2	MDL=<RESULT<RL (ORGANIC)
FBC1	BLANK CONTAMINATION
FBC2	RESULT < BLANK * MULTIPLIER
FBC3	RESULT > BLANK * MULTIPLIER
FD1	Field duplicate RPD
FD2	Field duplicate abs. diff.
GHT1	GROSS_QUALIFIER_HIT
GHT2	GROSS_QUALIFIER_NON_DETECT
HP1	Hydrocarbon pattern
HT1	Holding time samp. to preservation
HT2	Holding time samp. to analysis
HT3	Holding time gros. samp. to pres.
HT4	Holding time gros. samp. to analysis
IS1	Internal standard
LBC1	BLANK CONTAMINATION

DQM Reason Code	Description
LBC2	RESULT < BLANK * MULTIPLIER
LBC3	RESULT > BLANK * MULTIPLIER
LD1	Lab duplicate RPD
LD2	Lab duplicate abs. diff.
LS1	LS %R
LS2	LS RPD
MS1	MS %R
MS2	MS RPD
MS3	Parent >4x spike
MS4	Spike diluted out
NP1	Non-Preferred Result
NR1	NUMERIC RESULTS
OT1	Other quality issue
PS1	BETWEEN CONTROL AND WARNING LIMITS
PS2	INVALID
PS3	LESS THAN LOWER CONTROL LIMIT
PS4	LESS THAN LOWER WARNING LIMIT
PT1	The preservative for this test id does not match the required preservative in RT_HOLDING_TIME.
RDL1	EXCEEDS REQUIRED DETECTION LIMIT
RL1	ND > project limit
RO1	Other rad. issue
RPD1	LCS/LCSD
RPD2	LCS/LCSD_NON_DETECT
RPD3	MS/MSD
RPD4	MS/MSD_NON_DETECT

DQM Reason Code	Description
RPD5	Orig/Dup
RPD6	Orig/Dup_NON_DETECT
RPDF1	FIELD DUPLICATE
RPDF2	FIELD DUPLICATE NON_DETECT
RQ1	Rad. quantitation issue
RR1	Repeated result same method
RR2	Repeated result diff. method
RSD1	RSD exceeds CL for LCS sample
RSD2	RSD exceeds CL for MS sample
RSD3	RSD exceeds CL for Lab sample
RSD4	RSD exceeds CL for Field sample
RY1	Tracer or carrier
SD1	Serial dilution
SO1	High moisture
SO2	Wet weight
SP1	Preservation, temp
SP2	Preservation, pH
SP3	Preservation, headspace
SPR1	BLANK SPIKE > UCL
SPR10	EarthSoft.DQM.SpikeRecovery2
SPR11	EarthSoft.DQM.SpikeRecovery2
SPR12	EarthSoft.DQM.SpikeRecovery2
SPR2	INORGANIC SPIKE > UCL
SPR3	ORGANIC SPIKE > UCL
SPR4	LCL > BLANK > LOW_CUTOFF
SPR5	LCL > INORG > LOW_CUTOFF
SPR6	LCL > ORG > LOW_CUTOFF
SPR7	BLANK SPIKE < LOW_CUTOFF

DQM Reason Code	Description
SPR8	INORGANIC SPIKE < LOW_CUTOFF
SPR9	ORGANIC SPIKE < LOW_CUTOFF
SU	Surrogate outlier
SU1	Surrogate
SU2	Surrogate diluted out
SURR1	ASSO. DETECTS OF LCL > REC > LOW_CUTOFF
SURR10	EarthSoft.DQM.SurrogateRecovery
SURR11	EarthSoft.DQM.SurrogateRecovery
SURR12	EarthSoft.DQM.SurrogateRecovery
SURR2	ASSO. DETECTS OF REC < LOW_CUTOFF
SURR3	ASSO. DETECTS OF REC > UCL
SURR4	ASSO. NDS OF LCL > REC > LOW_CUTOFF
SURR5	ASSO. NDS OF REC < LOW_CUTOFF
SURR6	ASSO. NDS OF REC > UCL
SURR7	LCL > REC > LOW_CUTOFF
SURR8	REC < LOW_CUTOFF
SURR9	REC > UCL
TBC1	BLANK CONTAMINATION
TBC2	RESULT < BLANK * MULTIPLIER
TBC3	RESULT > BLANK * MULTIPLIER
TR	Trace Detection
TR1	Trace detection
TRA1	Tracer is outside of UCL or LCL
TRA2	Associated result of a tracer less than the LCL
TRA3	Associated detect result of a tracer greater than the UCL
VC1	Canister vacuum
VC2	Canister contamination

DQM Reason Code	Description
VSU1	INVALID SAMPLE UNIT TYPE
VSU2	MISSING SAMPLE UNIT TYPE

DQM Reason Code	Description
VSU3	NON-DEFAULT RESULT UNIT

AD-Absolute Difference
CCV-Continuous Calibration Verification
CL-Control Limit
%D-Percent Difference
IC-Initial Calibration
ICV-Initial Calibration Verification
INORG-Inorganic
LCL-Lower Control Limit
LCS-Laboratory Control Spike
LCSD-Laboratory Control Spike Duplicate
LS-Laboratory Spike
MDL-Method Detection Limit
MS-Matrix Spike
MSD-Matrix Spike Duplicate
ND-Not Detected
ORG-Organic
QC-Quality Control
%R-Percent Recovery
REC-Recovery
RL-Reporting Limit
RPD-Relative Percent Difference
RRF-Relative Response Factor
RSD-Relative Standard Deviation
UCL-Upper Control Limit
UCO-Upper Cut Off

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Memorandum

Date:	15 January 2026
To:	Caroline Nelson
From:	Derek Yeadon
CC:	Kristoffer Henderson
Subject:	**Stage 2A Data Validation - Level II Data Deliverable – Pace Project Number 92811484**

SITE: Plant Hammond AP-2

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of eleven water samples, one field duplicate, one field blank, and one equipment blank, collected 5 and 8 August 2025, as part of the Plant Hammond AP-2 on-site sampling event.

The anions and total dissolved solids analyses were performed by Pace Analytical Services, Inc., Asheville, North Carolina (Pace Asheville). The metals and mercury analyses were performed by Pace Analytical Services, Inc., West Columbia, South Carolina (Pace West Columbia). The metals analyses were performed by Pace Analytical Services, Inc., Mount Juliet, Tennessee (Pace National). The samples were analyzed for one or more of the following tests:

- Metals by United States (US) Environmental Protection Agency (EPA) Methods 3015/6020B and 3005A/6020B
- Mercury by US EPA Method 7470A
- Anions (Chloride, Fluoride and Sulfate) by US EPA Method 300.0 R2.1 1993
- Total Dissolved Solids (TDS) by SM 2540C-2020

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives.

The data were reviewed based on the pertinent methods referenced in the laboratory reports, professional and technical judgment, and the following documents:

- US EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006).

The following samples were analyzed and reported in the laboratory reports:

Laboratory IDs	Client IDs
92811484001	HAM-HGWA-4
92811484002	HAM-HGWA-5
92811484003	HAM-HGWA-6
92811484004	HAM-HGWA-42D
92811484005	HAM-HGWC-14
92811484006	HAM-HGWC-15
92811484007	HAM-HGWC-16
92811484008	HAM-HGWC-17
92811484009	HAM-HGWC-18

Laboratory IDs	Client IDs
92811484010	HAM-MW-21D
92811484011	HAM-MW-33
92811484012	HAM-MW-34D
92811484013	HAM-MW-35
92811484014	HAM-MW-51
92811484015	HAM-AP2-FD-01
92811484016	HAM-AP2-EB-01
92811484017	HAM-AP2-FB-01

The laboratory reported results for the analytical method(s) requested for each sample on the chains of custody (COCs).

The samples were received within 0-6 degrees Celsius (°C). No sample preservation issues were noted by the laboratory.

1.0 METALS

The samples were analyzed for metals by US EPA methods 3015/6020B and 3005A/6020B. (Mercury was evaluated separately in Section 2.0, below)

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Time
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
⊗ Field Blank
⊗ Field Duplicate
⊗ Equipment Blank
✓ Sensitivity

1.1 Overall Assessment

The metals data reported in this data package are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

1.2 Holding Time

The holding time for the metals analysis of a water sample is 180 days from sample collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Method blanks were reported for each batch. Metals were not detected in the method blanks above the method detection limits (MDLs).

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three sample set specific MS/MSD pairs were reported, one using sample HAM-AP2-FD-01 and two using sample HAM-HGWA-5. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria, with the following exceptions.

The calcium recoveries in the MS/MSD pairs using samples HAM-AP2-FD-01 and HAM-HGWA-5 were low and outside the laboratory specified acceptance criteria. Since the concentrations of calcium in samples HAM-AP2-FD-01 and HAM-HGWA-5 were greater than 4 times the spike concentrations, no qualifications were applied to the data.

The boron recoveries in the MS/MSD pair using sample HAM-AP2-FD-01 were high and outside the laboratory specified acceptance criteria. Since the concentration of boron in sample HAM-AP2-FD-01 was greater than 4 times the spike concentration, no qualifications were applied to the data.

Batch MS/MSD pairs were reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). LCSs were reported for each batch. The recovery results were within the laboratory specified acceptance criteria.

1.6 Field Blank

One field blank, HAM-AP2-FB-01, was collected with the sample set. Metals were not detected in the field blank above the MDLs, with the following exception.

Boron (0.0065 mg/L) was detected at an estimated concentration greater than the MDL and less than the reporting limit (RL) in the field blank. Therefore, the estimated boron results in samples HAM-HGWA-5 and HAM-HGWA-6 were U qualified as not detected at the RL. Since boron was detected in the remaining associated samples at concentrations greater than five times the blank concentration, no additional qualifications were applied to the data.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
HAM-HGWA-5	Boron	0.014	J	0.040	U	BFH
HAM-HGWA-6	Boron	0.017	J	0.040	U	BFH

mg/L-milligrams per liter
J-the result is less than RL but greater than the MDL and the concentration is an approximate value
* Validation qualifiers are defined in Attachment 1 at the end of this report
**Reason codes are defined in Attachment 2 at the end of this report

1.7 Field Duplicate

One field duplicate, HAM-AP2-FD-01, was collected with the sample set. Acceptable precision (RPD ≤ 30%) was demonstrated between the field duplicate and the original sample, HAM-MW-33, with the following exceptions.

Arsenic was detected in sample HAM-MW-33 at an estimated concentration greater than the MDL and less than the RL and not detected in the field duplicate, resulting in a non-calculable RPD between results. Since both results are less than the RL, and based on professional and technical judgement, no qualifications were applied to the data.

Chromium was detected in the field duplicate at a concentration greater than the RL and not detected in sample HAM-MW-33, resulting in a non-calculable RPD between results. Since the absolute difference between the results was greater than the RL, and based on professional and technical judgement, the analyte concentration in the field duplicate was J qualified as estimated

and the non-detect analyte result in sample HAM-MW-33 was UJ qualified as less than the estimated MDL.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	RPD	Validation Result (mg/L)	Validation Qualifier	Reason Code
HAM-AP2-FD-01	Chromium	0.0067	NA	NC	0.0067	J	RPDF2
HAM-MW-33	Chromium	0.0012	U		0.0012	UJ	RPDF2

mg/L-milligrams per liter
NA-not applicable
NC-non-calculable
RPD-relative percent difference

1.8 Equipment Blank

One equipment blank, HAM-AP2-EB-01, was collected with the sample set. Metals were not detected in the equipment blank above the MDLs, with the following exceptions.

Boron (0.014 mg/L) was detected at an estimated concentration greater than the MDL and less than the RL in the equipment blank. Therefore, the boron results in samples HAM-HGWA-4 and HAM-HGWA-42D were J+ qualified as estimated with high bias and the estimated boron results in samples HAM-HGWA-5 and HAM-HGWA-6 were U qualified as not detected at the RL. Since boron was detected in the remaining associated samples at concentrations greater than five times the blank concentration, no additional qualifications were applied to the data.

Lithium (0.000606 mg/L) was detected at an estimated concentration greater than the MDL and less than the RL in the equipment blank. Therefore, the estimated lithium results in samples HAM-AP2-FD-01-WG-20250808, HAM-HGWA-4, HAM-HGWC-14, HAM-HGWC-17, HAM-MW-33, HAM-MW-34D, HAM-MW-35, and HAM-MW-51 were U qualified as not detected at the RL. Since lithium was detected in the remaining associated samples at concentrations greater than five times the blank concentration, no additional qualifications were applied to the data.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
HAM-HGWA-5	Boron	0.014	J	0.040	U	BEL
HAM-HGWA-6	Boron	0.017	J	0.040	U	BEL
HAM-AP2-FD-01	Lithium	0.00144	J	0.00200	U	BEL
HAM-HGWA-4	Lithium	0.000902	J	0.00200	U	BEL
HAM-HGWC-14	Lithium	0.000780	J	0.00200	U	BEL
HAM-HGWC-17	Lithium	0.00146	J	0.00200	U	BEL

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
HAM-MW-33	Lithium	0.000612	J	0.00200	U	BEL
HAM-MW-34D	Lithium	0.00123	J	0.00200	U	BEL
HAM-MW-35	Lithium	0.00191	J	0.00200	U	BEL
HAM-MW-51	Lithium	0.00177	J	0.00200	U	BEL

mg/L-milligrams per liter
NA-not applicable
J-the result is less than RL but greater than the MDL and the concentration is an approximate value

1.9 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

2.0 MERCURY

The samples were analyzed for mercury by US EPA Method 7470A.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Time
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ Equipment Blank
- ✓ Sensitivity

2.1 Overall Assessment

The mercury data reported in this data package are considered usable for supporting project objectives. The results are considered valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

2.2 Holding Time

The holding time for the mercury analysis of a water sample is 28 days from sample collection to analysis. The holding times were met for the sample analyses.

2.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Method blanks were reported for each batch. Mercury was not detected in the method blanks above the MDL.

2.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One sample set specific MS/MSD pair was reported, using sample HAM-MW-34D. The recovery and RPD results were within the laboratory specified acceptance criteria.

Batch MS/MSD pairs were reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

2.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). LCSs were reported for each batch. The recovery results were within the laboratory specified acceptance criteria.

2.6 Field Blank

One field blank, HAM-AP2-FB-01, was collected with the sample set. Mercury was not detected in the field blank above the MDL.

2.7 Field Duplicate

One field duplicate, HAM-AP2-FD-01, was collected with the sample set. Acceptable precision (RPD $\leq$ 30%) was demonstrated between the field duplicate and the original sample, HAM-MW-33.

2.8 Equipment Blank

One equipment blank, HAM-AP2-EB-01, was collected with the sample set. Mercury was not detected in the equipment blank above the MDL.

2.9 Sensitivity

The samples were reported to the MDL. Elevated non-detect results were not reported.

3.0 WET CHEMISTRY

The samples were analyzed for anions by US EPA method 300.0 and TDS by SM 2540C.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
✓ Method Blank
⊗ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Laboratory Duplicate
✓ Field Blank
✓ Field Duplicate
✓ Equipment Blank
✓ Sensitivity

3.1 Overall Assessment

The wet chemistry data reported in this data package are considered usable for supporting project objectives. The results are considered valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

3.2 Holding Times

The holding time for the anions (fluoride, chloride, sulfate) analysis of a water sample is 28 days from sample collection to analysis. The holding time for the TDS analysis of a water sample is 7 days from sample collection to analysis. The holding times were met for the sample analyses.

3.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Method blanks were reported for each batch. The wet chemistry parameters were not detected in the method blanks above the MDLs.

3.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two sample set specific MS/MSD pairs were reported, using samples HAM-HGWA-6 and HAM-MW-35. The recovery and RPD results were within the laboratory specified acceptance criteria, with the following exceptions.

The fluoride recoveries in the MS/MSD pair using sample HAM-MW-35 were high and outside the laboratory specified acceptance criteria. Therefore, the fluoride result in sample HAM-MW-35 was J+ qualified as estimated with high bias.

The chloride recoveries in the MS/MSD pair using sample HAM-MW-35 were low and outside the laboratory specified acceptance criteria. Therefore, the chloride result in sample HAM-HGWC-7 was J- qualified as estimated with low bias.

The sulfate recoveries in the MS/MSD pair using sample HAM-MW-35 were low and outside the laboratory specified acceptance criteria. Since the sulfate concentration in sample HAM-HGWC-7 was greater than four times the spiked amount, and based on professional and technical judgement, no qualifications were applied to the sulfate data.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
HAM-MW-35	Chloride	102	M1	102	J-	MS1
HAM-MW-35	Fluoride	0.18	M1	0.18	J+	MS1

mg/L-milligrams per liter
M1- laboratory flag indicating the MS and/or MSD was outside acceptance criteria

Batch MS/MSD pairs were reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). LCSs were reported for each batch. The recovery results were within the laboratory specified acceptance criteria.

3.6 Laboratory Duplicate

Sample set specific laboratory duplicates were reported for TDS using samples HAM-HGWA-5 and HAM-AP2-EB-01. The RPD result was within the laboratory specified acceptance criteria.

Batch laboratory duplicates were reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.7 Field Blank

One field blank, HAM-AP2-FB-01, was collected with the sample set. The wet chemistry parameters were not detected in the field blanks above the MDLs.

3.8 Field Duplicate

One field duplicate, HAM-AP2-FD-01, was collected with the sample set. Acceptable precision (RPD ≤ 30%) was demonstrated between the field duplicate and the original sample, HAM-MW-33.

3.9 Equipment Blank

One equipment blank, HAM-AP2-EB-01, was collected with the sample set. Metals were not detected in the equipment blanks above the MDLs.

3.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

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DATA VALIDATION QUALIFIER DEFINITIONS AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to "not detected at or above the reported result."

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.

J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

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ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

DQM Reason Code	Description
AB1	> Samples in batch
AB2	QC sample missing
AB3	Batch analysis time exceeded
BAH	Contamination detected in the Ambient Blank greater than or equal to the Quantitation Limit.
BAL	Contamination detected in the Ambient Blank less than the Quantitation Limit.
BC	Calibration blank contamination
BC1	assoc. result < RL
BC2	assoc. result > RL < mult.
BC3	assoc. result > RL > mult.
BEH	Contamination detected in the Equipment Blank greater than or equal to the Quantitation Limit.
BEL	Contamination detected in the Equipment Blank less than the Quantitation Limit.
BF	Field blank contamination
BF1	assoc. result < RL
BF2	assoc. result > RL < mult.
BF3	assoc. result > RL > mult.
BFH	Contamination detected in the Field Blank greater than or equal to the Quantitation Limit.
BFL	Contamination detected in the Field Blank less than the Quantitation Limit.
BL	Laboratory blank contamination
BL1	assoc. result < RL
BL2	assoc. result > RL < mult.
BL3	assoc. result > RL > mult.
BLH	Contamination detected in the Lab Blank greater than or equal to the Quantitation Limit.
BLL	Contamination detected in the Lab Blank less than the Quantitation Limit.
BT	Trip blank contamination
BT1	assoc. result < RL
BT2	assoc. result > RL < mult.
BT3	assoc. result > RL > mult.
BTH	Contamination detected in the Trip Blank greater than or equal to the Quantitation Limit.
BTL	Contamination detected in the Trip Blank less than the Quantitation Limit.
CA1	Column difference
CC1	CCV %D
CC2	CCV %R
CC3	CCV RRF
CI1	IC RSD
CI2	IC RRF
CR1	Calibration range
CV1	ICV or CCV %D
CV2	ICV or CCV %R
CV3	ICV CCV RRF
DF1	Dilution Factor > 1
DL	Dilution Factor > 1

DQM Reason Code	Description
DVT1	The Dissolved Result > Total Result and the absolute difference > the AD_MULTIPLIER_CL * Detection Limit
DVT2	The Dissolved Result > Total Result and the absolute difference > AD_MULTIPLIER_UCO * Detection Limit
DVT3	The Dissolved Result > Total Result and the relative percent difference (RPD) > RPD_CL
DVT4	The Dissolved Result > Total Result and the relative percent difference (RPD) > RPD_UCO
ER1	MDL=<RESULT<RL (INORGANIC)
ER2	MDL=<RESULT<RL (ORGANIC)
FBC1	BLANK CONTAMINATION
FBC2	RESULT < BLANK * MULTIPLIER
FBC3	RESULT > BLANK * MULTIPLIER
FD1	Field duplicate RPD
FD2	Field duplicate abs. diff.
GHT1	GROSS_QUALIFIER_HIT
GHT2	GROSS_QUALIFIER_NON_DETECT
HP1	Hydrocarbon pattern
HT1	Holding time samp. to preservation
HT2	Holding time samp. to analysis
HT3	Holding time gros. samp. to pres.
HT4	Holding time gros. samp. to analysis
IS1	Internal standard
LBC1	BLANK CONTAMINATION

DQM Reason Code	Description
LBC2	RESULT < BLANK * MULTIPLIER
LBC3	RESULT > BLANK * MULTIPLIER
LD1	Lab duplicate RPD
LD2	Lab duplicate abs. diff.
LS1	LS %R
LS2	LS RPD
MS1	MS %R
MS2	MS RPD
MS3	Parent >4x spike
MS4	Spike diluted out
NP1	Non-Preferred Result
NR1	NUMERIC RESULTS
OT1	Other quality issue
PS1	BETWEEN CONTROL AND WARNING LIMITS
PS2	INVALID
PS3	LESS THAN LOWER CONTROL LIMIT
PS4	LESS THAN LOWER WARNING LIMIT
PT1	The preservative for this test id does not match the required preservative in RT_HOLDING_TIME.
RDL1	EXCEEDS REQUIRED DETECTION LIMIT
RL1	ND > project limit
RO1	Other rad. issue
RPD1	LCS/LCSD
RPD2	LCS/LCSD_NON_DETECT
RPD3	MS/MSD
RPD4	MS/MSD_NON_DETECT

DQM Reason Code	Description
RPD5	Orig/Dup
RPD6	Orig/Dup_NON_DETECT
RPDF1	FIELD DUPLICATE
RPDF2	FIELD DUPLICATE NON_DETECT
RQ1	Rad. quantitation issue
RR1	Repeated result same method
RR2	Repeated result diff. method
RSD1	RSD exceeds CL for LCS sample
RSD2	RSD exceeds CL for MS sample
RSD3	RSD exceeds CL for Lab sample
RSD4	RSD exceeds CL for Field sample
RY1	Tracer or carrier
SD1	Serial dilution
SO1	High moisture
SO2	Wet weight
SP1	Preservation, temp
SP2	Preservation, pH
SP3	Preservation, headspace
SPR1	BLANK SPIKE > UCL
SPR10	EarthSoft.DQM.SpikeRecovery2
SPR11	EarthSoft.DQM.SpikeRecovery2
SPR12	EarthSoft.DQM.SpikeRecovery2
SPR2	INORGANIC SPIKE > UCL
SPR3	ORGANIC SPIKE > UCL
SPR4	LCL > BLANK > LOW_CUTOFF
SPR5	LCL > INORG > LOW_CUTOFF
SPR6	LCL > ORG > LOW_CUTOFF
SPR7	BLANK SPIKE < LOW_CUTOFF

DQM Reason Code	Description
SPR8	INORGANIC SPIKE < LOW_CUTOFF
SPR9	ORGANIC SPIKE < LOW_CUTOFF
SU	Surrogate outlier
SU1	Surrogate
SU2	Surrogate diluted out
SURR1	ASSO. DETECTS OF LCL > REC > LOW_CUTOFF
SURR10	EarthSoft.DQM.SurrogateRecovery
SURR11	EarthSoft.DQM.SurrogateRecovery
SURR12	EarthSoft.DQM.SurrogateRecovery
SURR2	ASSO. DETECTS OF REC < LOW_CUTOFF
SURR3	ASSO. DETECTS OF REC > UCL
SURR4	ASSO. NDS OF LCL > REC > LOW_CUTOFF
SURR5	ASSO. NDS OF REC < LOW_CUTOFF
SURR6	ASSO. NDS OF REC > UCL
SURR7	LCL > REC > LOW_CUTOFF
SURR8	REC < LOW_CUTOFF
SURR9	REC > UCL
TBC1	BLANK CONTAMINATION
TBC2	RESULT < BLANK * MULTIPLIER
TBC3	RESULT > BLANK * MULTIPLIER
TR	Trace Detection
TR1	Trace detection
TRA1	Tracer is outside of UCL or LCL
TRA2	Associated result of a tracer less than the LCL
TRA3	Associated detect result of a tracer greater than the UCL
VC1	Canister vacuum
VC2	Canister contamination

DQM Reason Code	Description
VSU1	INVALID SAMPLE UNIT TYPE
VSU2	MISSING SAMPLE UNIT TYPE

DQM Reason Code	Description
VSU3	NON-DEFAULT RESULT UNIT

AD-Absolute Difference
CCV-Continuous Calibration Verification
CL-Control Limit
%D-Percent Difference
IC-Initial Calibration
ICV-Initial Calibration Verification
INORG-Inorganic
LCL-Lower Control Limit
LCS-Laboratory Control Spike
LCSD-Laboratory Control Spike Duplicate
LS-Laboratory Spike
MDL-Method Detection Limit
MS-Matrix Spike
MSD-Matrix Spike Duplicate
ND-Not Detected
ORG-Organic
QC-Quality Control
%R-Percent Recovery
REC-Recovery
RL-Reporting Limit
RPD-Relative Percent Difference
RRF-Relative Response Factor
RSD-Relative Standard Deviation
UCL-Upper Control Limit
UCO-Upper Cut Off

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Memorandum

Date:	20 January 2026
To:	Kristen Jurinko
From:	Matthew Richardson
CC:	Kristoffer Henderson
Subject:	**Stage 2A Data Validation - Level II Data Deliverable – Pace Analytical Services, LLC Project Number 92811492**

SITE: Plant Hammond AP-2

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of fourteen water samples, one field duplicate, one field blank, and one equipment blank, collected 5 and 8 August 2025, as part of the Plant Hammond AP on-site sampling event.

The samples were analyzed at Pace Analytical Services, LLC, Greensburg, Pennsylvania, for the following analytical tests:

- Radium-226 by United States (US) Environmental Protection Agency (EPA) Method 9315
- Radium-228 by US EPA Method 9320
- Total Radium by Calculation

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives. The qualified data should be used within the limitations of the qualifications.

The data were reviewed based on the pertinent methods referenced in the laboratory reports, professional and technical judgment, and the following documents:

- US EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011);
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006);
- Field Sampling Plan – All Sites, Georgia Power Company, Southern Company, January 2024, Revised May 2024; and

- Idaho National Engineering and Environmental Laboratory, RADIOANALYTICAL DATA VALIDATION, May 11, 2004 (GDE-205).

The following samples were analyzed and reported in the laboratory reports:

Laboratory IDs	Client IDs
92811492001	HAM-HGWA-4
92811492002	HAM-HGWA-5
92811492003	HAM-HGWA-6
92811492004	HAM-HGWA-42D
92811492005	HAM-HGWC-14
92811492006	HAM-HGWC-15
92811492007	HAM-HGWC-16
92811492008	HAM-HGWC-17
92811492009	HAM-HGWC-18

Laboratory IDs	Client IDs
92811492010	HAM-MW-21D
92811492011	HAM-MW-33
92811492012	HAM-MW-34D
92811492013	HAM-MW-35
92811492014	HAM-MW-51
92811492015	HAM-AP2-FD-01
92811492016	HAM-AP2-EB-01
92811492017	HAM-AP2-FB-01

The samples were received within 0-6 degrees Celsius (ºC). No sample preservation issues were noted by the laboratory.

1.0 RADIOCHEMISTRY

The samples were analyzed for radium-226 by US EPA method 9315, radium-228 by US EPA method 9320 and total radium by calculation.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

⊗ Overall Assessment
✓ Holding Times
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Laboratory Duplicate
✓ Tracers and Carriers
⊗ Field Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Sensitivity

1.1 Overall Assessment

1.1.1 Completeness

The radium-226 and radium-228 data reported in this data set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

1.1.2 Analysis Anomaly

Radium-228 was detected in sample HAM-MW-51 at a concentration greater than the minimum detectable concentration (MDC) and total radium was U flag as less than the MDC. Since total radium is calculated from the combined radium 226 and 228 concentrations and radium-228 were detected in the sample, the total radium result should be considered a detection greater than the MDC. Therefore, the U flag was removed for the total radium result in sample HAM-MW-51.

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier*	DQM Reason Code**
HAM-MW-51	Combined Radium 226 + 228	1.28	U	1.28	NA	RO1

pCi/L-picocuries per liter
U-not detected at or above the MDC
NA-not applicable
* Validation qualifiers are defined in Attachment 1 at the end of this report
**Data Quality Module (DQM) reason codes are defined in Attachment 2 at the end of this report

1.2 Holding Times

The holding times for the radium-226 and radium-228 analyses of a water sample are 180 days from sample collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Method blanks were reported for the radium-226 and radium-228 data. Radium-226 and radium-228 were not detected in the method blanks at or above the measured 2σ uncertainty or the MDC.

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSD pairs were not reported with the sample set.

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). LCS/LCS duplicate (LCSD) pairs were reported for radium-226 and radium-228. The recovery and mean difference (MD) results were within the laboratory specified acceptance criteria.

However, the RPD for radium-226 in the LCS/LCSD pair in batch 763825 was high and outside of the laboratory specified acceptance criteria. Since the MD was acceptable and based on professional and technical judgment, no qualifications were applied to the data.

1.6 Laboratory Duplicate

One sample set specific laboratory duplicate was reported for radium-226, using sample HAM-AP2-FB-01. The MD result was within the laboratory specified acceptance criteria. However, the RPD for radium-226 in the laboratory duplicate was high and outside of the laboratory specified acceptance criteria. Since the MD was acceptable and based on professional and technical judgment, no qualifications were applied to the data.

Batch laboratory duplicates were reported with the sample set. Since these were batch QC, the results do not affect the samples in this data set, and qualifications were not applied to the data.

1.7 Tracers and Carriers

Carriers were reported for the radium-226 and radium-228 analyses, and a tracer was reported for the radium-228 analyses. The recovery results were within the laboratory specified acceptance criteria.

1.8 Field Blank

One field blank, HAM-AP2-FB-01, was collected with the sample set and analyzed for radium-226 and radium-228. Radium-226 and radium-228 were not detected in the field blank at or above the measured 2σ uncertainty or the MDC, with the following exception.

Radium-228 (0.480 pCi/L) was detected in HAM-AP2-FB-01 at a concentration greater than the measured 2σ uncertainty. No qualifications were applied to the radium-228 results less than the MDC. However, the radium-228 and combined radium 226 + 228 results in the associated samples HAM-MW-35, HAM-MW-51 and HAM-AP2-FD-01 were UJ qualified as not statistically distinguishable from the blank.

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier*	DQM Reason Code**
HAM-MW-35	Combined Radium 226 + 228	1.47	NA	1.47	UJ	BF
HAM-MW-35	Radium-228	1.31	NA	1.31	UJ	BF
HAM-MW-51	Combined Radium 226 + 228	1.28	U	1.28	UJ	BF
HAM-MW-51	Radium-228	1.09	NA	1.09	UJ	BF
HAM-AP2-FD-01	Combined Radium 226 + 228	1.79	NA	1.79	UJ	BF
HAM-AP2-FD-01	Radium-228	1.56	NA	1.56	UJ	BF

pCi/L-picocuries per liter
U-not detected at or above the MDC
NA-not applicable

1.9 Equipment Blank

One equipment blank, HAM-AP2-EB-01, was collected with the sample set and analyzed for radium-226 and radium-228. Radium-226 and radium-228 were not detected in the equipment blank at or above the measured 2σ uncertainty or the MDC.

1.10 Field Duplicate

One field duplicate, HAM-AP2-FD-01, was collected with the sample set. Acceptable precision [MD ≤ 3] was demonstrated between the field duplicate and the original sample, HAM-MW-33. The RPDs for radium-226, radium-228 and total radium in the field duplicate pair was greater than 30%. Since the MDs for radium-226, radium-228 and total radium were less than 3 and based on professional and technical judgment, no qualifications were applied to the data.

1.11 Sensitivity

The samples were reported to the MDCs. No elevated non-detect results were reported.

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ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to "not detected at or above the reported result."

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.

J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

DQM Reason Code	Description
AB1	> Samples in batch
AB2	QC sample missing
AB3	Batch analysis time exceeded
BAH	Contamination detected in the Ambient Blank greater than or equal to the Quantitation Limit.
BAL	Contamination detected in the Ambient Blank less than the Quantitation Limit.
BC	Calibration blank contamination
BC1	assoc. result < RL
BC2	assoc. result > RL < mult.
BC3	assoc. result > RL > mult.
BEH	Contamination detected in the Equipment Blank greater than or equal to the Quantitation Limit.
BEL	Contamination detected in the Equipment Blank less than the Quantitation Limit.
BF	Field blank contamination
BF1	assoc. result < RL
BF2	assoc. result > RL < mult.
BF3	assoc. result > RL > mult.
BFH	Contamination detected in the Field Blank greater than or equal to the Quantitation Limit.
BFL	Contamination detected in the Field Blank less than the Quantitation Limit.
BL	Laboratory blank contamination
BL1	assoc. result < RL
BL2	assoc. result > RL < mult.
BL3	assoc. result > RL > mult.
BLH	Contamination detected in the Lab Blank greater than or equal to the Quantitation Limit.
BLL	Contamination detected in the Lab Blank less than the Quantitation Limit.
BT	Trip blank contamination
BT1	assoc. result < RL
BT2	assoc. result > RL < mult.
BT3	assoc. result > RL > mult.
BTH	Contamination detected in the Trip Blank greater than or equal to the Quantitation Limit.
BTL	Contamination detected in the Trip Blank less than the Quantitation Limit.
CA1	Column difference
CC1	CCV %D
CC2	CCV %R
CC3	CCV RRF
CI1	IC RSD
CI2	IC RRF
CR1	Calibration range
CV1	ICV or CCV %D
CV2	ICV or CCV %R
CV3	ICV CCV RRF
DF1	Dilution Factor > 1
DL	Dilution Factor > 1

DQM Reason Code	Description
DVT1	The Dissolved Result > Total Result and the absolute difference > the AD_MULTIPLIER_CL * Detection Limit
DVT2	The Dissolved Result > Total Result and the absolute difference > AD_MULTIPLIER_UCO * Detection Limit
DVT3	The Dissolved Result > Total Result and the relative percent difference (RPD) > RPD_CL
DVT4	The Dissolved Result > Total Result and the relative percent difference (RPD) > RPD_UCO
ER1	MDL=<RESULT<RL (INORGANIC)
ER2	MDL=<RESULT<RL (ORGANIC)
FBC1	BLANK CONTAMINATION
FBC2	RESULT < BLANK * MULTIPLIER
FBC3	RESULT > BLANK * MULTIPLIER
FD1	Field duplicate RPD
FD2	Field duplicate abs. diff.
GHT1	GROSS_QUALIFIER_HIT
GHT2	GROSS_QUALIFIER_NON_DETECT
HP1	Hydrocarbon pattern
HT1	Holding time samp. to preservation
HT2	Holding time samp. to analysis
HT3	Holding time gros. samp. to pres.
HT4	Holding time gros. samp. to analysis
IS1	Internal standard
LBC1	BLANK CONTAMINATION

DQM Reason Code	Description
LBC2	RESULT < BLANK * MULTIPLIER
LBC3	RESULT > BLANK * MULTIPLIER
LD1	Lab duplicate RPD
LD2	Lab duplicate abs. diff.
LS1	LS %R
LS2	LS RPD
MS1	MS %R
MS2	MS RPD
MS3	Parent >4x spike
MS4	Spike diluted out
NP1	Non-Preferred Result
NR1	NUMERIC RESULTS
OT1	Other quality issue
PS1	BETWEEN CONTROL AND WARNING LIMITS
PS2	INVALID
PS3	LESS THAN LOWER CONTROL LIMIT
PS4	LESS THAN LOWER WARNING LIMIT
PT1	The preservative for this test id does not match the required preservative in RT_HOLDING_TIME.
RDL1	EXCEEDS REQUIRED DETECTION LIMIT
RL1	ND > project limit
RO1	Other rad. issue
RPD1	LCS/LCSD
RPD2	LCS/LCSD_NON_DETECT
RPD3	MS/MSD
RPD4	MS/MSD_NON_DETECT

DQM Reason Code	Description
RPD5	Orig/Dup
RPD6	Orig/Dup_NON_DETECT
RPDF1	FIELD DUPLICATE
RPDF2	FIELD DUPLICATE NON_DETECT
RQ1	Rad. quantitation issue
RR1	Repeated result same method
RR2	Repeated result diff. method
RSD1	RSD exceeds CL for LCS sample
RSD2	RSD exceeds CL for MS sample
RSD3	RSD exceeds CL for Lab sample
RSD4	RSD exceeds CL for Field sample
RY1	Tracer or carrier
SD1	Serial dilution
SO1	High moisture
SO2	Wet weight
SP1	Preservation, temp
SP2	Preservation, pH
SP3	Preservation, headspace
SPR1	BLANK SPIKE > UCL
SPR10	EarthSoft.DQM.SpikeRecovery2
SPR11	EarthSoft.DQM.SpikeRecovery2
SPR12	EarthSoft.DQM.SpikeRecovery2
SPR2	INORGANIC SPIKE > UCL
SPR3	ORGANIC SPIKE > UCL
SPR4	LCL > BLANK > LOW_CUTOFF
SPR5	LCL > INORG > LOW_CUTOFF
SPR6	LCL > ORG > LOW_CUTOFF
SPR7	BLANK SPIKE < LOW_CUTOFF

DQM Reason Code	Description
SPR8	INORGANIC SPIKE < LOW_CUTOFF
SPR9	ORGANIC SPIKE < LOW_CUTOFF
SU	Surrogate outlier
SU1	Surrogate
SU2	Surrogate diluted out
SURR1	ASSO. DETECTS OF LCL > REC > LOW_CUTOFF
SURR10	EarthSoft.DQM.SurrogateRecovery
SURR11	EarthSoft.DQM.SurrogateRecovery
SURR12	EarthSoft.DQM.SurrogateRecovery
SURR2	ASSO. DETECTS OF REC < LOW_CUTOFF
SURR3	ASSO. DETECTS OF REC > UCL
SURR4	ASSO. NDS OF LCL > REC > LOW_CUTOFF
SURR5	ASSO. NDS OF REC < LOW_CUTOFF
SURR6	ASSO. NDS OF REC > UCL
SURR7	LCL > REC > LOW_CUTOFF
SURR8	REC < LOW_CUTOFF
SURR9	REC > UCL
TBC1	BLANK CONTAMINATION
TBC2	RESULT < BLANK * MULTIPLIER
TBC3	RESULT > BLANK * MULTIPLIER
TR	Trace Detection
TR1	Trace detection
TRA1	Tracer is outside of UCL or LCL
TRA2	Associated result of a tracer less than the LCL
TRA3	Associated detect result of a tracer greater than the UCL
VC1	Canister vacuum
VC2	Canister contamination

DQM Reason Code	Description
VSU1	INVALID SAMPLE UNIT TYPE
VSU2	MISSING SAMPLE UNIT TYPE

DQM Reason Code	Description
VSU3	NON-DEFAULT RESULT UNIT

AD-Absolute Difference
CCV-Continuous Calibration Verification
CL-Control Limit
%D-Percent Difference
IC-Initial Calibration
ICV-Initial Calibration Verification
INORG-Inorganic
LCL-Lower Control Limit
LCS-Laboratory Control Spike
LCSD-Laboratory Control Spike Duplicate
LS-Laboratory Spike
MDL-Method Detection Limit
MS-Matrix Spike
MSD-Matrix Spike Duplicate
ND-Not Detected
ORG-Organic
QC-Quality Control
%R-Percent Recovery
REC-Recovery
RL-Reporting Limit
RPD-Relative Percent Difference
RRF-Relative Response Factor
RSD-Relative Standard Deviation
UCL-Upper Control Limit
UCO-Upper Cut Off

FIELD SAMPLING REPORTS

FEBRUARY 2025

Low-Flow Test Report:

Test Date / Time: 2/12/2025 12:53:42 PM
Project: GP-Plant Hammond
Operator Name: T. Kessler

Location Name: HGWA-1 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 22.49 ft** **Total Depth: 32.49 ft** **Initial Depth to Water: 16.98 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 27.39 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.67 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Eight bottles: Full App. III & IV and Major Ions.

Weather Conditions:
Rainy, 45 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/12/2025 12:53 PM	00:00	7.09 pH	15.83 °C	646.12 µS/cm	1.97 mg/L	1.09 NTU	79.4 mV	17.59 ft	200.00 ml/min
2/12/2025 12:58 PM	05:00	7.07 pH	16.14 °C	628.63 µS/cm	1.16 mg/L	1.09 NTU	54.3 mV	17.65 ft	200.00 ml/min
2/12/2025 1:03 PM	10:00	7.07 pH	16.14 °C	629.57 µS/cm	0.94 mg/L	0.41 NTU	45.1 mV	17.65 ft	200.00 ml/min
2/12/2025 1:08 PM	15:00	7.07 pH	16.28 °C	628.14 µS/cm	0.72 mg/L	0.49 NTU	39.7 mV	17.65 ft	200.00 ml/min
2/12/2025 1:13 PM	20:00	7.07 pH	16.19 °C	629.01 µS/cm	0.58 mg/L	0.44 NTU	35.9 mV	17.65 ft	200.00 ml/min
2/12/2025 1:18 PM	25:00	7.08 pH	16.07 °C	628.42 µS/cm	0.47 mg/L	0.29 NTU	32.8 mV	17.65 ft	200.00 ml/min
2/12/2025 1:23 PM	30:00	7.08 pH	16.01 °C	627.91 µS/cm	0.42 mg/L	0.95 NTU	30.5 mV	17.65 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-1	Grab.

Low-Flow Test Report:

Test Date / Time: 2/14/2025 8:45:01 AM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: HGWA-2 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 17.95 ft** **Total Depth: 27.95 ft** **Initial Depth to Water: 12.67 ft**	**Pump Type: Bladder** **Tubing Type: Polyethylene** **Pump Intake From TOC: 22.95 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.06 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883530**

Test Notes:
Eight bottles: Full App. III & IV and Major Ions.

Weather Conditions:
Clear, 40 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/14/2025 8:45 AM	00:00	6.38 pH	16.20 °C	414.61 µS/cm	4.04 mg/L	17.10 NTU	-119.5 mV	12.67 ft	200.00 ml/min
2/14/2025 8:50 AM	05:00	5.89 pH	16.57 °C	371.75 µS/cm	2.24 mg/L	8.02 NTU	226.6 mV	12.71 ft	200.00 ml/min
2/14/2025 8:55 AM	10:00	5.81 pH	15.46 °C	362.01 µS/cm	1.90 mg/L	5.86 NTU	287.1 mV	12.72 ft	200.00 ml/min
2/14/2025 9:00 AM	15:00	5.79 pH	15.44 °C	359.90 µS/cm	1.84 mg/L	3.45 NTU	320.0 mV	12.73 ft	200.00 ml/min
2/14/2025 9:05 AM	20:00	5.79 pH	15.44 °C	358.07 µS/cm	1.74 mg/L	2.21 NTU	279.2 mV	12.73 ft	200.00 ml/min
2/14/2025 9:10 AM	25:00	5.76 pH	15.45 °C	356.28 µS/cm	1.65 mg/L	1.27 NTU	291.6 mV	12.73 ft	200.00 ml/min
2/14/2025 9:15 AM	30:00	5.75 pH	15.57 °C	354.55 µS/cm	1.64 mg/L	1.13 NTU	371.8 mV	12.73 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-2	Grab.
HAM-UGRD-FD-01	Grab.

Low-Flow Test Report:

Test Date / Time: 2/12/2025 1:55:33 PM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: HGWA-3 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 34.51 ft** **Total Depth: 44.51 ft** **Initial Depth to Water: 13.25 ft**	**Pump Type: Bladder** **Tubing Type: Polyethylene** **Pump Intake From TOC: 39.51 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.03 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883530**

Test Notes:
Six bottles: Full App. III & IV and Major Ions.

Weather Conditions:
Rain, 45 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/12/2025 1:55 PM	00:00	6.87 pH	15.36 °C	464.29 µS/cm	0.95 mg/L	42.60 NTU	-88.5 mV	13.25 ft	200.00 ml/min
2/12/2025 2:00 PM	05:00	7.13 pH	15.62 °C	461.05 µS/cm	0.57 mg/L	30.40 NTU	58.6 mV	13.28 ft	200.00 ml/min
2/12/2025 2:05 PM	10:00	7.23 pH	15.54 °C	464.54 µS/cm	0.28 mg/L	14.10 NTU	107.6 mV	13.28 ft	200.00 ml/min
2/12/2025 2:10 PM	15:00	7.29 pH	15.67 °C	464.64 µS/cm	0.21 mg/L	9.83 NTU	36.0 mV	13.28 ft	200.00 ml/min
2/12/2025 2:15 PM	20:00	7.32 pH	15.67 °C	463.65 µS/cm	0.19 mg/L	4.20 NTU	76.3 mV	13.28 ft	200.00 ml/min
2/12/2025 2:20 PM	25:00	7.35 pH	15.80 °C	463.95 µS/cm	0.18 mg/L	3.26 NTU	7.5 mV	13.28 ft	200.00 ml/min
2/12/2025 2:25 PM	30:00	7.37 pH	15.74 °C	461.15 µS/cm	0.18 mg/L	2.88 NTU	-5.1 mV	13.28 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-3	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/14/2025 10:31:58 AM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: HGWA-3 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 34.51 ft** **Total Depth: 44.51 ft** **Initial Depth to Water: 12.02 ft**	**Pump Type: Bladder** **Tubing Type: Polyethylene** **Pump Intake From TOC: 39.51 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.02 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883530**

Test Notes:
Two Bottles: RADs

Weather Conditions:
Clear, 40 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/14/2025 10:31 AM	00:00	7.14 pH	15.18 °C	452.21 µS/cm	1.61 mg/L	4.85 NTU	-289.2 mV	12.02 ft	200.00 ml/min
2/14/2025 10:36 AM	05:00	7.30 pH	15.17 °C	454.20 µS/cm	0.70 mg/L	3.78 NTU	-20.6 mV	12.03 ft	200.00 ml/min
2/14/2025 10:41 AM	10:00	7.36 pH	15.58 °C	453.24 µS/cm	0.49 mg/L	2.02 NTU	79.8 mV	12.04 ft	200.00 ml/min
2/14/2025 10:46 AM	15:00	7.40 pH	15.72 °C	451.95 µS/cm	0.39 mg/L	1.71 NTU	117.4 mV	12.04 ft	200.00 ml/min
2/14/2025 10:51 AM	20:00	7.42 pH	16.03 °C	451.50 µS/cm	0.32 mg/L	1.46 NTU	136.1 mV	12.04 ft	200.00 ml/min
2/14/2025 10:56 AM	25:00	7.43 pH	15.98 °C	449.86 µS/cm	0.28 mg/L	1.13 NTU	147.8 mV	12.04 ft	200.00 ml/min
2/14/2025 11:01 AM	30:00	7.45 pH	15.94 °C	449.67 µS/cm	0.30 mg/L	0.74 NTU	140.5 mV	12.04 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-3	Grab.

Low-Flow Test Report:

Test Date / Time: 2/12/2025 12:12:24 PM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: HGWA-4 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 15.76 ft Total Depth: 25.76 ft** **Initial Depth to Water: 8.19 ft**	**Pump Type: Bladder** **Tubing Type: Polyethylene** **Pump Intake From TOC: 20.76 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.29 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883530**

Test Notes:
Six bottles: Full App. III & IV and Major Ions.

Weather Conditions:
Rain, 45 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/12/2025 12:12 PM	00:00	5.81 pH	14.83 °C	187.59 µS/cm	6.45 mg/L	8.45 NTU	47.3 mV	8.19 ft	200.00 ml/min
2/12/2025 12:17 PM	05:00	5.74 pH	14.99 °C	188.12 µS/cm	6.39 mg/L	5.27 NTU	281.4 mV	8.48 ft	200.00 ml/min
2/12/2025 12:22 PM	10:00	5.71 pH	15.08 °C	188.11 µS/cm	6.35 mg/L	4.90 NTU	317.3 mV	8.48 ft	200.00 ml/min
2/12/2025 12:27 PM	15:00	5.70 pH	15.16 °C	187.56 µS/cm	6.33 mg/L	4.26 NTU	337.1 mV	8.48 ft	200.00 ml/min
2/12/2025 12:32 PM	20:00	5.70 pH	15.22 °C	186.73 µS/cm	6.31 mg/L	3.57 NTU	350.5 mV	8.48 ft	200.00 ml/min
2/12/2025 12:37 PM	25:00	5.69 pH	15.22 °C	186.30 µS/cm	6.27 mg/L	2.23 NTU	362.0 mV	8.48 ft	200.00 ml/min
2/12/2025 12:42 PM	30:00	5.69 pH	15.22 °C	185.34 µS/cm	6.28 mg/L	2.05 NTU	372.1 mV	8.48 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-4	Grab.

Low-Flow Test Report:

Test Date / Time: 2/14/2025 12:02:29 PM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: HGWA-4 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 15.76 ft Total Depth: 25.76 ft** **Initial Depth to Water: 6.65 ft**	**Pump Type: Bladder** **Tubing Type: Polyethylene** **Pump Intake From TOC: 20.76 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min Final Draw Down: 0.51 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883530**

Test Notes:
Two Bottles: RADs

Weather Conditions:
Clear, 40 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/14/2025 12:02 PM	00:00	6.45 pH	16.35 °C	202.29 µS/cm	6.64 mg/L	8.30 NTU	-126.3 mV	6.65 ft	200.00 ml/min
2/14/2025 12:07 PM	05:00	6.06 pH	16.33 °C	202.55 µS/cm	6.48 mg/L	6.96 NTU	6.1 mV	7.14 ft	200.00 ml/min
2/14/2025 12:12 PM	10:00	6.00 pH	16.25 °C	202.03 µS/cm	6.46 mg/L	2.88 NTU	48.7 mV	7.16 ft	200.00 ml/min
2/14/2025 12:17 PM	15:00	5.99 pH	16.01 °C	199.23 µS/cm	6.41 mg/L	2.16 NTU	71.5 mV	7.16 ft	200.00 ml/min
2/14/2025 12:22 PM	20:00	5.97 pH	15.89 °C	199.98 µS/cm	6.40 mg/L	1.68 NTU	83.5 mV	7.16 ft	200.00 ml/min
2/14/2025 12:27 PM	25:00	5.95 pH	16.03 °C	199.75 µS/cm	6.47 mg/L	1.32 NTU	90.9 mV	7.16 ft	200.00 ml/min
2/14/2025 12:32 PM	30:00	5.94 pH	16.15 °C	197.77 µS/cm	6.41 mg/L	0.87 NTU	96.1 mV	7.16 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-4	Grab.

Low-Flow Test Report:

Test Date / Time: 2/14/2025 9:42:23 AM
Project: GP-Plant Hammond
Operator Name: T. Kessler

Location Name: HGWA-5 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 18.72 ft** **Total Depth: 28.72 ft** **Initial Depth to Water: 4.2 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 23.72 ft** **Estimated Total Volume Pumped: 30 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.9 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Eight bottles: Full App. III & IV and Major Ions.

Weather Conditions:
Clear, 30 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/14/2025 9:42 AM	00:00	6.32 pH	15.46 °C	182.87 µS/cm	1.25 mg/L	13.60 NTU	81.5 mV	4.75 ft	200.00 ml/min
2/14/2025 9:47 AM	05:00	6.40 pH	16.15 °C	206.76 µS/cm	0.58 mg/L	13.00 NTU	24.2 mV	4.85 ft	200.00 ml/min
2/14/2025 9:52 AM	10:00	6.43 pH	16.39 °C	214.52 µS/cm	0.30 mg/L	10.60 NTU	15.2 mV	4.90 ft	200.00 ml/min
2/14/2025 9:57 AM	15:00	6.47 pH	16.33 °C	217.92 µS/cm	0.19 mg/L	10.90 NTU	10.7 mV	5.00 ft	200.00 ml/min
2/14/2025 10:02 AM	20:00	6.48 pH	16.38 °C	220.61 µS/cm	0.17 mg/L	10.96 NTU	7.9 mV	5.05 ft	200.00 ml/min
2/14/2025 10:07 AM	25:00	6.50 pH	16.47 °C	224.58 µS/cm	0.14 mg/L	10.10 NTU	4.1 mV	5.10 ft	200.00 ml/min
2/14/2025 10:12 AM	30:00	6.51 pH	16.51 °C	223.88 µS/cm	0.12 mg/L	10.40 NTU	3.4 mV	5.10 ft	200.00 ml/min
2/14/2025 10:17 AM	35:00	6.50 pH	16.59 °C	221.62 µS/cm	0.12 mg/L	9.90 NTU	4.0 mV	5.10 ft	200.00 ml/min
2/14/2025 10:22 AM	40:00	6.52 pH	16.84 °C	222.09 µS/cm	0.10 mg/L	11.30 NTU	3.5 mV	5.10 ft	200.00 ml/min
2/14/2025 10:27 AM	45:00	6.49 pH	16.58 °C	214.50 µS/cm	0.11 mg/L	59.50 NTU	9.2 mV	5.10 ft	200.00 ml/min
2/14/2025 10:32 AM	50:00	6.46 pH	16.60 °C	210.84 µS/cm	0.11 mg/L	++++	14.4 mV	5.10 ft	200.00 ml/min
2/14/2025 10:37 AM	55:00	6.47 pH	16.54 °C	215.41 µS/cm	0.12 mg/L	++++	12.4 mV	5.10 ft	200.00 ml/min
2/14/2025 10:42 AM	01:00:00	6.48 pH	16.68 °C	213.29 µS/cm	0.10 mg/L	++++	13.3 mV	5.10 ft	200.00 ml/min

2/14/2025 10:47 AM	01:05:00	6.47 pH	16.84 °C	213.36 µS/cm	0.08 mg/L	++++	13.7 mV	5.10 ft	200.00 ml/min
2/14/2025 10:52 AM	01:10:00	6.47 pH	16.86 °C	209.84 µS/cm	0.08 mg/L	50.60 NTU	16.1 mV	5.10 ft	200.00 ml/min
2/14/2025 10:57 AM	01:15:00	6.50 pH	16.64 °C	213.25 µS/cm	0.08 mg/L	41.10 NTU	13.2 mV	5.10 ft	200.00 ml/min
2/14/2025 11:02 AM	01:20:00	6.48 pH	17.09 °C	213.33 µS/cm	0.08 mg/L	31.10 NTU	13.9 mV	5.10 ft	200.00 ml/min
2/14/2025 11:07 AM	01:25:00	6.49 pH	17.18 °C	212.15 µS/cm	0.08 mg/L	25.50 NTU	13.6 mV	5.10 ft	200.00 ml/min
2/14/2025 11:12 AM	01:30:00	6.50 pH	17.34 °C	213.37 µS/cm	0.08 mg/L	19.80 NTU	13.2 mV	5.10 ft	200.00 ml/min
2/14/2025 11:17 AM	01:35:00	6.49 pH	17.50 °C	214.54 µS/cm	0.08 mg/L	17.30 NTU	13.7 mV	5.10 ft	200.00 ml/min
2/14/2025 11:22 AM	01:40:00	6.50 pH	17.14 °C	211.01 µS/cm	0.08 mg/L	15.30 NTU	16.2 mV	5.10 ft	200.00 ml/min
2/14/2025 11:27 AM	01:45:00	6.51 pH	17.25 °C	212.36 µS/cm	0.08 mg/L	15.90 NTU	15.1 mV	5.10 ft	200.00 ml/min
2/14/2025 11:32 AM	01:50:00	6.48 pH	17.24 °C	211.17 µS/cm	0.08 mg/L	14.70 NTU	17.9 mV	5.10 ft	200.00 ml/min
2/14/2025 11:37 AM	01:55:00	6.50 pH	17.32 °C	211.71 µS/cm	0.08 mg/L	13.40 NTU	16.7 mV	5.10 ft	200.00 ml/min
2/14/2025 11:42 AM	02:00:00	6.51 pH	17.27 °C	210.90 µS/cm	0.08 mg/L	11.20 NTU	17.5 mV	5.10 ft	200.00 ml/min
2/14/2025 11:47 AM	02:05:00	6.50 pH	17.09 °C	210.81 µS/cm	0.08 mg/L	11.40 NTU	19.3 mV	5.10 ft	200.00 ml/min
2/14/2025 11:52 AM	02:10:00	6.51 pH	17.44 °C	212.10 µS/cm	0.07 mg/L	10.90 NTU	17.3 mV	5.10 ft	200.00 ml/min
2/14/2025 11:57 AM	02:15:00	6.52 pH	17.37 °C	215.08 µS/cm	0.08 mg/L	10.00 NTU	14.8 mV	5.10 ft	200.00 ml/min
2/14/2025 12:02 PM	02:20:00	6.52 pH	17.45 °C	212.60 µS/cm	0.08 mg/L	5.88 NTU	16.2 mV	5.10 ft	200.00 ml/min
2/14/2025 12:07 PM	02:25:00	6.52 pH	17.63 °C	215.28 µS/cm	0.07 mg/L	4.98 NTU	16.0 mV	5.10 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-5	Grab.

Low-Flow Test Report:

Test Date / Time: 2/14/2025 12:50:28 PM
Project: GP-Plant Hammond
Operator Name: T. Kessler

Location Name: HGWA-6 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 39.66 ft** **Total Depth: 49.66 ft** **Initial Depth to Water: 4.2 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 44.66 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 1.45 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Eight bottles: Full App. III & IV and Major Ions.

Weather Conditions:
Clear, 45 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/14/2025 12:50 PM	00:00	7.52 pH	17.18 °C	369.31 µS/cm	1.04 mg/L	0.00 NTU	-66.8 mV	5.45 ft	200.00 ml/min
2/14/2025 12:55 PM	05:00	7.57 pH	17.32 °C	373.32 µS/cm	0.76 mg/L	1.80 NTU	-69.4 mV	5.50 ft	200.00 ml/min
2/14/2025 1:00 PM	10:00	7.58 pH	17.34 °C	373.27 µS/cm	0.68 mg/L	2.32 NTU	-96.2 mV	5.55 ft	200.00 ml/min
2/14/2025 1:05 PM	15:00	7.59 pH	17.31 °C	372.73 µS/cm	0.48 mg/L	3.90 NTU	-102.0 mV	5.60 ft	200.00 ml/min
2/14/2025 1:10 PM	20:00	7.59 pH	17.44 °C	373.64 µS/cm	0.43 mg/L	1.89 NTU	-107.8 mV	5.65 ft	200.00 ml/min
2/14/2025 1:15 PM	25:00	7.60 pH	17.37 °C	372.51 µS/cm	0.33 mg/L	0.70 NTU	-109.8 mV	5.65 ft	200.00 ml/min
2/14/2025 1:20 PM	30:00	7.60 pH	17.65 °C	373.79 µS/cm	0.35 mg/L	1.46 NTU	-92.6 mV	5.65 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-6	Grab.

Low-Flow Test Report:

Test Date / Time: 2/14/2025 2:33:35 PM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: HGWA-42D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 58.03 ft** **Total Depth: 68.03 ft** **Initial Depth to Water: 7.91 ft**	**Pump Type: Bladder** **Tubing Type: Polyethylene** **Pump Intake From TOC: 63.03 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 1.51 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883530**

Test Notes:
Eight bottles: Full App. III & IV and Major Ions.

Weather Conditions:
Clear, 50 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/14/2025 2:33 PM	00:00	7.79 pH	20.22 °C	288.31 µS/cm	2.68 mg/L	4.61 NTU	-218.4 mV	7.91 ft	200.00 ml/min
2/14/2025 2:38 PM	05:00	7.77 pH	17.95 °C	288.04 µS/cm	0.73 mg/L	6.39 NTU	-13.5 mV	9.07 ft	200.00 ml/min
2/14/2025 2:43 PM	10:00	7.76 pH	17.82 °C	288.04 µS/cm	0.63 mg/L	7.86 NTU	57.2 mV	9.27 ft	200.00 ml/min
2/14/2025 2:48 PM	15:00	7.77 pH	18.17 °C	288.02 µS/cm	0.53 mg/L	15.80 NTU	121.2 mV	9.33 ft	200.00 ml/min
2/14/2025 2:53 PM	20:00	7.79 pH	18.15 °C	286.79 µS/cm	0.40 mg/L	14.50 NTU	177.5 mV	9.38 ft	200.00 ml/min
2/14/2025 2:58 PM	25:00	7.80 pH	18.22 °C	287.75 µS/cm	0.40 mg/L	7.11 NTU	162.8 mV	9.41 ft	200.00 ml/min
2/14/2025 3:03 PM	30:00	7.79 pH	17.89 °C	289.81 µS/cm	0.38 mg/L	2.93 NTU	278.5 mV	9.42 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-42D	Grab.

Low-Flow Test Report:

Test Date / Time: 2/12/2025 2:15:18 PM
Project: GP-Plant Hammond
Operator Name: T. Kessler

Location Name: HGWA-43D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 51.25 ft** **Total Depth: 61.25 ft** **Initial Depth to Water: 16.75 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 56.25 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 3.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Eight bottles: Full App. III & IV and Major Ions.

Weather Conditions:
Rainy, 41 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/12/2025 2:15 PM	00:00	7.52 pH	15.50 °C	517.39 µS/cm	1.34 mg/L	0.46 NTU	-12.2 mV	18.15 ft	200.00 ml/min
2/12/2025 2:20 PM	05:00	7.53 pH	15.97 °C	514.97 µS/cm	1.00 mg/L	1.66 NTU	-40.3 mV	18.80 ft	200.00 ml/min
2/12/2025 2:25 PM	10:00	7.52 pH	16.04 °C	512.21 µS/cm	0.83 mg/L	0.70 NTU	-71.4 mV	19.20 ft	200.00 ml/min
2/12/2025 2:30 PM	15:00	7.51 pH	16.05 °C	508.21 µS/cm	0.92 mg/L	0.54 NTU	-78.6 mV	19.50 ft	200.00 ml/min
2/12/2025 2:35 PM	20:00	7.50 pH	15.97 °C	502.71 µS/cm	0.76 mg/L	1.04 NTU	-82.5 mV	19.65 ft	200.00 ml/min
2/12/2025 2:40 PM	25:00	7.50 pH	16.06 °C	498.37 µS/cm	0.68 mg/L	0.69 NTU	-85.8 mV	19.70 ft	200.00 ml/min
2/12/2025 2:45 PM	30:00	7.50 pH	16.11 °C	494.68 µS/cm	0.77 mg/L	0.59 NTU	-88.4 mV	19.80 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-43D	Grab.

Low-Flow Test Report:

Test Date / Time: 2/12/2025 1:38:08 PM
Project: GP- Plant Hammond
Operator Name: A. Tomlinson

Location Name: HGWA-44D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 103.5 ft** **Total Depth: 113.5 ft** **Initial Depth to Water: 18.09 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 108.5 ft** **Estimated Total Volume Pumped: 25 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 2.95 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850735**

Test Notes:
Eight bottles: Full App. III & IV and Major Ions.

Weather Conditions:
Cloudy, rain, 46 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/12/2025 1:38 PM	00:00	8.36 pH	15.11 °C	618.96 µS/cm	1.18 mg/L	44.90 NTU	-120.6 mV	18.32 ft	200.00 ml/min
2/12/2025 1:43 PM	05:00	8.41 pH	15.29 °C	614.67 µS/cm	0.52 mg/L	17.80 NTU	-188.7 mV	18.74 ft	200.00 ml/min
2/12/2025 1:48 PM	10:00	8.42 pH	15.34 °C	609.29 µS/cm	0.38 mg/L	14.50 NTU	-170.8 mV	19.19 ft	200.00 ml/min
2/12/2025 1:53 PM	15:00	8.43 pH	15.38 °C	606.41 µS/cm	0.33 mg/L	12.00 NTU	-174.8 mV	19.53 ft	200.00 ml/min
2/12/2025 1:58 PM	20:00	8.45 pH	15.30 °C	602.57 µS/cm	0.30 mg/L	10.30 NTU	-180.4 mV	19.82 ft	200.00 ml/min
2/12/2025 2:03 PM	25:00	8.45 pH	15.25 °C	602.49 µS/cm	0.27 mg/L	14.70 NTU	-185.4 mV	20.04 ft	200.00 ml/min
2/12/2025 2:08 PM	30:00	8.46 pH	15.08 °C	603.77 µS/cm	0.25 mg/L	15.60 NTU	-189.2 mV	20.20 ft	200.00 ml/min
2/12/2025 2:13 PM	35:00	8.46 pH	15.12 °C	609.66 µS/cm	0.23 mg/L	17.20 NTU	-192.3 mV	20.35 ft	200.00 ml/min
2/12/2025 2:18 PM	40:00	8.47 pH	15.17 °C	607.40 µS/cm	0.22 mg/L	16.10 NTU	-195.4 mV	20.48 ft	200.00 ml/min
2/12/2025 2:23 PM	45:00	8.47 pH	15.16 °C	610.34 µS/cm	0.21 mg/L	13.60 NTU	-198.4 mV	20.60 ft	200.00 ml/min
2/12/2025 2:28 PM	50:00	8.47 pH	15.08 °C	614.50 µS/cm	0.19 mg/L	14.10 NTU	-199.9 mV	20.68 ft	200.00 ml/min
2/12/2025 2:33 PM	55:00	8.49 pH	15.07 °C	609.60 µS/cm	0.18 mg/L	13.00 NTU	-201.7 mV	20.74 ft	200.00 ml/min
2/12/2025 2:38 PM	01:00:00	8.48 pH	15.06 °C	608.21 µS/cm	0.18 mg/L	11.50 NTU	-202.4 mV	20.82 ft	200.00 ml/min

2/12/2025 2:43 PM	01:05:00	8.48 pH	15.12 °C	605.71 µS/cm	0.17 mg/L	13.10 NTU	-205.7 mV	20.94 ft	200.00 ml/min
2/12/2025 2:48 PM	01:10:00	8.48 pH	15.28 °C	611.77 µS/cm	0.15 mg/L	11.70 NTU	-207.6 mV	20.94 ft	200.00 ml/min
2/12/2025 2:53 PM	01:15:00	8.47 pH	15.17 °C	613.52 µS/cm	0.14 mg/L	14.60 NTU	-230.5 mV	20.94 ft	200.00 ml/min
2/12/2025 2:58 PM	01:20:00	8.46 pH	15.21 °C	613.83 µS/cm	0.13 mg/L	23.90 NTU	-209.7 mV	20.94 ft	200.00 ml/min
2/12/2025 3:03 PM	01:25:00	8.47 pH	15.16 °C	610.38 µS/cm	0.12 mg/L	10.50 NTU	-210.3 mV	20.98 ft	200.00 ml/min
2/12/2025 3:08 PM	01:30:00	8.47 pH	15.03 °C	609.37 µS/cm	0.12 mg/L	11.00 NTU	-212.1 mV	20.98 ft	200.00 ml/min
2/12/2025 3:13 PM	01:35:00	8.47 pH	14.96 °C	612.20 µS/cm	0.12 mg/L	9.80 NTU	-211.7 mV	21.04 ft	200.00 ml/min
2/12/2025 3:18 PM	01:40:00	8.48 pH	15.12 °C	612.90 µS/cm	0.11 mg/L	9.07 NTU	-214.9 mV	21.04 ft	200.00 ml/min
2/12/2025 3:23 PM	01:45:00	8.48 pH	15.14 °C	611.10 µS/cm	0.10 mg/L	7.94 NTU	-213.9 mV	21.04 ft	200.00 ml/min
2/12/2025 3:28 PM	01:50:00	8.48 pH	15.12 °C	612.07 µS/cm	0.10 mg/L	8.16 NTU	-214.6 mV	21.04 ft	200.00 ml/min
2/12/2025 3:33 PM	01:55:00	8.48 pH	15.21 °C	610.21 µS/cm	0.10 mg/L	6.88 NTU	-215.8 mV	21.04 ft	200.00 ml/min
2/12/2025 3:38 PM	02:00:00	8.49 pH	15.08 °C	608.44 µS/cm	0.09 mg/L	4.61 NTU	-216.3 mV	21.04 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-44D	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/18/2025 8:45:19 AM
Project: GP- Plant Hammond
Operator Name: A. Tomlinson

Location Name: HGWC-14 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.98 ft** **Total Depth: 42.98 ft** **Initial Depth to Water: 25.75 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 37.98 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.15 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850735**

Test Notes:
Eight bottles: Full App. III & IV and Major Ions.

Weather Conditions:
Clear, 33 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/18/2025 8:45 AM	00:00	5.09 pH	18.25 °C	1,859.8 µS/cm	0.32 mg/L	23.60 NTU	166.0 mV	25.86 ft	200.00 ml/min
2/18/2025 8:50 AM	05:00	4.92 pH	18.67 °C	1,845.3 µS/cm	0.24 mg/L	11.40 NTU	205.1 mV	25.90 ft	200.00 ml/min
2/18/2025 8:55 AM	10:00	4.88 pH	18.79 °C	1,850.8 µS/cm	0.17 mg/L	6.07 NTU	157.4 mV	25.90 ft	200.00 ml/min
2/18/2025 9:00 AM	15:00	4.86 pH	18.85 °C	1,848.9 µS/cm	0.15 mg/L	4.67 NTU	155.6 mV	25.90 ft	200.00 ml/min
2/18/2025 9:05 AM	20:00	4.84 pH	18.98 °C	1,850.3 µS/cm	0.13 mg/L	4.65 NTU	153.6 mV	25.90 ft	200.00 ml/min
2/18/2025 9:10 AM	25:00	4.83 pH	18.99 °C	1,855.7 µS/cm	0.11 mg/L	1.97 NTU	151.9 mV	25.90 ft	200.00 ml/min
2/18/2025 9:15 AM	30:00	4.81 pH	18.92 °C	1,843.7 µS/cm	0.11 mg/L	1.77 NTU	150.8 mV	25.90 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWC-14	Grab.

Low-Flow Test Report:

Test Date / Time: 2/17/2025 1:15:44 PM
Project: GP-Plant Hammond
Operator Name: J. Tracy

Location Name: HGWC-15 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 27.96 ft** **Total Depth: 37.96 ft** **Initial Depth to Water: 11.02 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 32.96 ft** **Estimated Total Volume Pumped: 8 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.46 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Eight bottles: Full App. III & IV and Major Ions.

Weather Conditions:
Sunny, 35 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/17/2025 1:15 PM	00:00	6.65 pH	16.65 °C	1,027.7 µS/cm	0.51 mg/L	2.02 NTU	59.5 mV	11.51 ft	200.00 ml/min
2/17/2025 1:20 PM	05:00	6.63 pH	16.64 °C	1,019.0 µS/cm	0.43 mg/L	2.12 NTU	61.4 mV	11.55 ft	200.00 ml/min
2/17/2025 1:25 PM	10:00	6.60 pH	16.69 °C	1,015.4 µS/cm	0.36 mg/L	1.05 NTU	59.4 mV	11.48 ft	200.00 ml/min
2/17/2025 1:30 PM	15:00	6.56 pH	16.04 °C	1,017.9 µS/cm	0.34 mg/L	1.10 NTU	58.3 mV	11.48 ft	200.00 ml/min
2/17/2025 1:35 PM	20:00	6.57 pH	16.20 °C	1,012.6 µS/cm	0.34 mg/L	1.21 NTU	58.6 mV	11.48 ft	200.00 ml/min
2/17/2025 1:40 PM	25:00	6.55 pH	16.47 °C	1,006.2 µS/cm	0.31 mg/L	1.58 NTU	59.0 mV	11.48 ft	200.00 ml/min
2/17/2025 1:45 PM	30:00	6.53 pH	16.65 °C	994.02 µS/cm	0.29 mg/L	1.25 NTU	59.0 mV	11.48 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWC-15	Grab

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/17/2025 9:46:32 AM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: HGWC-16 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 23.06 ft** **Total Depth: 33.06 ft** **Initial Depth to Water: 10.23 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 28.06 ft** **Estimated Total Volume Pumped: 8 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.83 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883530**

Test Notes:
Eight bottles: Full App. III & IV and Major Ions.

Weather Conditions:
Clear, 40 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/17/2025 9:46 AM	00:00	7.37 pH	13.00 °C	961.59 µS/cm	0.27 mg/L	4.31 NTU	-461.8 mV	10.23 ft	200.00 ml/min
2/17/2025 9:51 AM	05:00	7.36 pH	12.59 °C	1,003.5 µS/cm	0.24 mg/L	2.61 NTU	-148.0 mV	10.92 ft	200.00 ml/min
2/17/2025 9:56 AM	10:00	7.34 pH	12.84 °C	1,027.2 µS/cm	0.22 mg/L	2.10 NTU	-38.1 mV	10.98 ft	200.00 ml/min
2/17/2025 10:01 AM	15:00	7.35 pH	13.50 °C	1,021.1 µS/cm	0.21 mg/L	1.94 NTU	-37.5 mV	11.01 ft	200.00 ml/min
2/17/2025 10:06 AM	20:00	7.35 pH	13.17 °C	1,019.8 µS/cm	0.20 mg/L	1.73 NTU	67.9 mV	11.03 ft	200.00 ml/min
2/17/2025 10:11 AM	25:00	7.35 pH	13.22 °C	1,021.2 µS/cm	0.20 mg/L	1.59 NTU	136.2 mV	11.05 ft	200.00 ml/min
2/17/2025 10:16 AM	30:00	7.36 pH	13.63 °C	1,007.5 µS/cm	0.19 mg/L	1.66 NTU	142.8 mV	11.06 ft	200.00 ml/min
2/17/2025 10:21 AM	35:00	7.36 pH	13.67 °C	999.11 µS/cm	0.18 mg/L	1.21 NTU	281.1 mV	11.06 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWC-16	Grab.
HAM-AP2-FD-01	Grab.

Low-Flow Test Report:

Test Date / Time: 2/16/2025 3:55:56 PM
Project: GP-Plant Hammond
Operator Name: T. Kessler

Location Name: HGWC-17 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 17.79 ft Total Depth: 27.79 ft** **Initial Depth to Water: 15.45 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 22.79 ft** **Estimated Total Volume Pumped: 10 liters** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.4 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Eight bottles: Full App. III & IV and Major Ions.

Weather Conditions:
Cloudy, 43 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/16/2025 3:55 PM	00:00	6.49 pH	15.32 °C	869.87 µS/cm	2.16 mg/L	103.70 NTU	133.8 mV	15.85 ft	200.00 ml/min
2/16/2025 4:00 PM	05:00	6.43 pH	15.73 °C	937.03 µS/cm	1.37 mg/L	71.20 NTU	135.5 mV	15.85 ft	200.00 ml/min
2/16/2025 4:05 PM	10:00	6.42 pH	15.88 °C	955.74 µS/cm	1.16 mg/L	48.10 NTU	137.8 mV	15.85 ft	200.00 ml/min
2/16/2025 4:10 PM	15:00	6.43 pH	15.93 °C	968.16 µS/cm	1.06 mg/L	27.10 NTU	141.4 mV	15.85 ft	200.00 ml/min
2/16/2025 4:15 PM	20:00	6.45 pH	15.98 °C	975.85 µS/cm	0.97 mg/L	18.50 NTU	141.3 mV	15.85 ft	200.00 ml/min
2/16/2025 4:20 PM	25:00	6.45 pH	16.06 °C	984.46 µS/cm	0.91 mg/L	14.10 NTU	142.8 mV	15.85 ft	200.00 ml/min
2/16/2025 4:25 PM	30:00	6.45 pH	16.14 °C	990.04 µS/cm	0.86 mg/L	10.13 NTU	143.0 mV	15.85 ft	200.00 ml/min
2/16/2025 4:30 PM	35:00	6.46 pH	16.11 °C	990.74 µS/cm	0.80 mg/L	7.85 NTU	143.2 mV	15.85 ft	200.00 ml/min
2/16/2025 4:35 PM	40:00	6.48 pH	15.88 °C	990.90 µS/cm	0.74 mg/L	6.65 NTU	142.2 mV	15.85 ft	200.00 ml/min
2/16/2025 4:40 PM	45:00	6.47 pH	15.84 °C	993.78 µS/cm	0.74 mg/L	4.86 NTU	144.4 mV	15.85 ft	200.00 ml/min

Samples

Sample ID:	Description:

HAM-HGWC-17	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/18/2025 8:57:28 AM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: HGWC-18 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 17.71 ft** **Total Depth: 27.71 ft** **Initial Depth to Water: 13.28 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 22.71 ft** **Estimated Total Volume Pumped: 10 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.3 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883530**

Test Notes:
Eight bottles: Full App. III & IV and Major Ions.

Weather Conditions:
Clear, 35 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/18/2025 8:57 AM	00:00	5.73 pH	12.72 °C	718.74 µS/cm	2.38 mg/L	1.63 NTU	-235.9 mV	13.28 ft	200.00 ml/min
2/18/2025 9:02 AM	05:00	5.05 pH	13.32 °C	733.09 µS/cm	2.20 mg/L	1.46 NTU	138.7 mV	13.48 ft	200.00 ml/min
2/18/2025 9:07 AM	10:00	5.01 pH	13.67 °C	742.38 µS/cm	2.07 mg/L	1.12 NTU	247.6 mV	13.50 ft	200.00 ml/min
2/18/2025 9:12 AM	15:00	5.01 pH	13.45 °C	705.46 µS/cm	1.99 mg/L	0.74 NTU	277.2 mV	13.52 ft	200.00 ml/min
2/18/2025 9:17 AM	20:00	5.00 pH	13.88 °C	686.96 µS/cm	1.95 mg/L	0.80 NTU	284.2 mV	13.53 ft	200.00 ml/min
2/18/2025 9:22 AM	25:00	5.01 pH	13.88 °C	743.78 µS/cm	1.97 mg/L	0.52 NTU	289.5 mV	13.54 ft	200.00 ml/min
2/18/2025 9:27 AM	30:00	4.99 pH	14.03 °C	764.26 µS/cm	1.94 mg/L	0.46 NTU	293.2 mV	13.55 ft	200.00 ml/min
2/18/2025 9:32 AM	35:00	5.01 pH	14.09 °C	756.39 µS/cm	1.95 mg/L	0.31 NTU	297.4 mV	13.56 ft	200.00 ml/min
2/18/2025 9:37 AM	40:00	5.01 pH	14.02 °C	762.98 µS/cm	1.92 mg/L	0.28 NTU	299.4 mV	13.57 ft	200.00 ml/min
2/18/2025 9:42 AM	45:00	5.00 pH	14.09 °C	762.74 µS/cm	1.90 mg/L	0.19 NTU	300.8 mV	13.58 ft	200.00 ml/min

Samples

Sample ID:	Description:

HAM-HGWC-18	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/18/2025 11:12:33 AM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: MW-21D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 41.88 ft** **Total Depth: 51.88 ft** **Initial Depth to Water: 13.97 ft**	**Pump Type: Bladder** **Tubing Type: Polyethylene** **Pump Intake From TOC: 46.88 ft** **Estimated Total Volume Pumped: 12 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.34 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883530**

Test Notes:
Eight bottles: Full App. III & IV and Major Ions.

Weather Conditions:
Clear, 35 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/18/2025 11:12 AM	00:00	6.94 pH	17.20 °C	737.26 µS/cm	0.20 mg/L	33.10 NTU	-429.5 mV	13.97 ft	200.00 ml/min
2/18/2025 11:17 AM	05:00	7.20 pH	17.19 °C	735.77 µS/cm	0.12 mg/L	28.80 NTU	160.2 mV	14.31 ft	200.00 ml/min
2/18/2025 11:22 AM	10:00	7.35 pH	16.61 °C	710.04 µS/cm	0.15 mg/L	25.60 NTU	350.9 mV	14.31 ft	200.00 ml/min
2/18/2025 11:27 AM	15:00	7.42 pH	16.38 °C	691.32 µS/cm	0.18 mg/L	22.40 NTU	283.0 mV	14.31 ft	200.00 ml/min
2/18/2025 11:32 AM	20:00	7.47 pH	16.72 °C	677.16 µS/cm	0.21 mg/L	20.80 NTU	333.8 mV	14.31 ft	200.00 ml/min
2/18/2025 11:37 AM	25:00	7.50 pH	17.03 °C	663.50 µS/cm	0.23 mg/L	18.30 NTU	428.3 mV	14.31 ft	200.00 ml/min
2/18/2025 11:42 AM	30:00	7.53 pH	17.11 °C	655.80 µS/cm	0.25 mg/L	14.30 NTU	447.5 mV	14.31 ft	200.00 ml/min
2/18/2025 11:47 AM	35:00	7.57 pH	16.94 °C	645.63 µS/cm	0.28 mg/L	11.90 NTU	428.8 mV	14.31 ft	200.00 ml/min
2/18/2025 11:52 AM	40:00	7.58 pH	17.10 °C	637.88 µS/cm	0.29 mg/L	10.20 NTU	446.9 mV	14.31 ft	200.00 ml/min
2/18/2025 11:57 AM	45:00	7.61 pH	16.89 °C	626.20 µS/cm	0.29 mg/L	8.00 NTU	470.8 mV	14.31 ft	200.00 ml/min
2/18/2025 12:02 PM	50:00	7.62 pH	16.88 °C	619.92 µS/cm	0.29 mg/L	5.57 NTU	474.9 mV	14.31 ft	200.00 ml/min
2/18/2025 12:07 PM	55:00	7.61 pH	17.23 °C	613.58 µS/cm	0.30 mg/L	4.78 NTU	504.2 mV	14.31 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-MW-21D	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/18/2025 9:05:29 AM
Project: GP-Plant Hammond
Operator Name: J. Tracy

Location Name: MW-22 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 27.47 ft** **Total Depth: 37.47 ft** **Initial Depth to Water: 8.22 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 32.47 ft** **Estimated Total Volume Pumped: 8.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 8.61 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Eight Bottles: Appendix III & IV + Major Ions.

Weather Conditions:
Clear, 35 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/18/2025 9:05 AM	00:00	5.50 pH	15.97 °C	1,098.0 µS/cm	2.47 mg/L	2.97 NTU	220.9 mV	11.39 ft	200.00 ml/min
2/18/2025 9:10 AM	05:00	5.51 pH	15.93 °C	1,098.4 µS/cm	2.56 mg/L	1.27 NTU	254.3 mV	12.35 ft	200.00 ml/min
2/18/2025 9:15 AM	10:00	5.53 pH	15.89 °C	1,097.2 µS/cm	2.33 mg/L	1.21 NTU	267.6 mV	13.31 ft	200.00 ml/min
2/18/2025 9:20 AM	15:00	5.52 pH	15.99 °C	1,098.8 µS/cm	2.16 mg/L	1.71 NTU	280.5 mV	14.42 ft	200.00 ml/min
2/18/2025 9:25 AM	20:00	5.54 pH	16.11 °C	1,098.8 µS/cm	2.01 mg/L	1.52 NTU	286.2 mV	15.35 ft	200.00 ml/min
2/18/2025 9:30 AM	25:00	5.55 pH	15.30 °C	1,095.9 µS/cm	1.91 mg/L	1.24 NTU	267.2 mV	15.62 ft	200.00 ml/min
2/18/2025 9:35 AM	30:00	5.55 pH	15.23 °C	1,101.0 µS/cm	1.67 mg/L	1.54 NTU	372.4 mV	15.96 ft	200.00 ml/min
2/18/2025 9:40 AM	35:00	5.57 pH	15.30 °C	1,104.7 µS/cm	1.46 mg/L	1.67 NTU	263.1 mV	16.07 ft	200.00 ml/min
2/18/2025 9:45 AM	40:00	5.57 pH	15.35 °C	1,106.6 µS/cm	1.40 mg/L	1.39 NTU	242.4 mV	16.35 ft	200.00 ml/min
2/18/2025 9:50 AM	45:00	5.57 pH	15.48 °C	1,106.8 µS/cm	1.32 mg/L	1.35 NTU	328.0 mV	16.63 ft	200.00 ml/min
2/18/2025 9:55 AM	50:00	5.58 pH	15.61 °C	1,112.4 µS/cm	1.23 mg/L	1.43 NTU	241.4 mV	16.72 ft	200.00 ml/min
2/18/2025 10:00 AM	55:00	5.58 pH	15.87 °C	1,113.4 µS/cm	1.13 mg/L	2.21 NTU	230.8 mV	16.83 ft	200.00 ml/min

Samples

Sample ID:	Description:

HAM-MW-22	Grab

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/17/2025 10:22:23 AM
Project: GP-Plant Hammond
Operator Name: J. Tracy

Location Name: MW-23D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 52.24 ft** **Total Depth: 62.24 ft** **Initial Depth to Water: 10.76 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 57.24 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Eight bottles: Full App. III & IV and Major Ions.

Weather Conditions:
Clear, 40 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/17/2025 10:22 AM	00:00	6.95 pH	16.15 °C	1,304.9 µS/cm	0.23 mg/L	1.74 NTU	9.9 mV	10.86 ft	200.00 ml/min
2/17/2025 10:27 AM	05:00	6.93 pH	15.83 °C	1,312.3 µS/cm	0.22 mg/L	0.93 NTU	19.8 mV	10.86 ft	200.00 ml/min
2/17/2025 10:32 AM	10:00	6.96 pH	15.93 °C	1,313.8 µS/cm	0.18 mg/L	1.12 NTU	9.8 mV	10.86 ft	200.00 ml/min
2/17/2025 10:37 AM	15:00	6.96 pH	15.80 °C	1,318.7 µS/cm	0.16 mg/L	1.21 NTU	14.6 mV	10.86 ft	200.00 ml/min
2/17/2025 10:42 AM	20:00	6.97 pH	16.02 °C	1,319.1 µS/cm	0.15 mg/L	2.20 NTU	9.0 mV	10.86 ft	200.00 ml/min
2/17/2025 10:47 AM	25:00	6.98 pH	15.97 °C	1,328.2 µS/cm	0.13 mg/L	1.08 NTU	8.2 mV	10.86 ft	200.00 ml/min
2/17/2025 10:52 AM	30:00	6.97 pH	16.33 °C	1,321.6 µS/cm	0.12 mg/L	1.51 NTU	8.3 mV	10.86 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-MW-23D	Grab
HAM-AP2-FD-02	Grab

Low-Flow Test Report:

Test Date / Time: 2/16/2025 2:19:20 PM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: MW-33 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 27.72 ft** **Total Depth: 37.72 ft** **Initial Depth to Water: 22.21 ft**	**Pump Type: Bladder** **Tubing Type: Polyethylene** **Pump Intake From TOC: 32.72 ft** **Estimated Total Volume Pumped: 11 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.18 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883530**

Test Notes:
Eight bottles: Full App. III & IV and Major Ions.

Weather Conditions:
Cloudy, 45 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/16/2025 2:19 PM	00:00	4.89 pH	16.92 °C	1,544.3 µS/cm	0.77 mg/L	8.82 NTU	-164.5 mV	22.21 ft	200.00 ml/min
2/16/2025 2:24 PM	05:00	4.90 pH	16.39 °C	1,394.0 µS/cm	0.82 mg/L	6.51 NTU	188.8 mV	22.39 ft	200.00 ml/min
2/16/2025 2:29 PM	10:00	4.87 pH	15.43 °C	1,312.1 µS/cm	0.69 mg/L	4.78 NTU	338.8 mV	22.39 ft	200.00 ml/min
2/16/2025 2:34 PM	15:00	4.85 pH	15.84 °C	1,379.0 µS/cm	0.75 mg/L	2.72 NTU	395.9 mV	22.39 ft	200.00 ml/min
2/16/2025 2:39 PM	20:00	4.86 pH	15.54 °C	1,298.7 µS/cm	0.76 mg/L	2.07 NTU	346.2 mV	22.39 ft	200.00 ml/min
2/16/2025 2:44 PM	25:00	4.85 pH	15.53 °C	1,325.9 µS/cm	0.77 mg/L	1.40 NTU	431.4 mV	22.39 ft	200.00 ml/min
2/16/2025 2:49 PM	30:00	4.86 pH	15.38 °C	1,255.0 µS/cm	0.80 mg/L	0.99 NTU	437.5 mV	22.39 ft	200.00 ml/min
2/16/2025 2:54 PM	35:00	4.86 pH	15.31 °C	1,295.2 µS/cm	0.75 mg/L	0.83 NTU	441.8 mV	22.39 ft	200.00 ml/min
2/16/2025 2:59 PM	40:00	4.87 pH	15.26 °C	1,283.0 µS/cm	0.74 mg/L	0.67 NTU	444.9 mV	22.39 ft	200.00 ml/min
2/16/2025 3:04 PM	45:00	4.87 pH	15.33 °C	1,253.0 µS/cm	0.75 mg/L	0.61 NTU	447.1 mV	22.39 ft	200.00 ml/min
2/16/2025 3:09 PM	50:00	4.88 pH	15.24 °C	1,248.4 µS/cm	0.77 mg/L	0.56 NTU	449.5 mV	22.39 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-MW-33	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/18/2025 9:58:11 AM
Project: GP- Plant Hammond
Operator Name: A. Tomlinson

Location Name: MW-34D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 63.68 ft** **Total Depth: 73.68 ft** **Initial Depth to Water: 25.96 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 68.68 ft** **Estimated Total Volume Pumped: 15.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.09 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850735**

Test Notes:
Eight bottles: Full App. III & IV and Major Ions.

Weather Conditions:
Clear, 38 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/18/2025 9:58 AM	00:00	6.59 pH	16.94 °C	2,116.5 µS/cm	0.86 mg/L	23.10 NTU	36.6 mV	25.96 ft	200.00 ml/min
2/18/2025 10:03 AM	05:00	6.88 pH	17.82 °C	2,110.0 µS/cm	0.36 mg/L	37.60 NTU	12.6 mV	26.00 ft	200.00 ml/min
2/18/2025 10:08 AM	10:00	7.01 pH	17.93 °C	2,098.8 µS/cm	0.28 mg/L	36.00 NTU	2.1 mV	26.00 ft	200.00 ml/min
2/18/2025 10:13 AM	15:00	7.08 pH	18.03 °C	2,093.3 µS/cm	0.24 mg/L	48.30 NTU	-4.5 mV	26.05 ft	200.00 ml/min
2/18/2025 10:18 AM	20:00	7.12 pH	18.03 °C	2,095.9 µS/cm	0.22 mg/L	38.90 NTU	-6.8 mV	26.05 ft	200.00 ml/min
2/18/2025 10:23 AM	25:00	7.14 pH	18.14 °C	2,088.9 µS/cm	0.20 mg/L	42.40 NTU	-13.1 mV	26.05 ft	200.00 ml/min
2/18/2025 10:28 AM	30:00	7.15 pH	18.21 °C	2,084.0 µS/cm	0.18 mg/L	31.20 NTU	-10.8 mV	26.05 ft	200.00 ml/min
2/18/2025 10:33 AM	35:00	7.16 pH	18.39 °C	2,092.3 µS/cm	0.18 mg/L	26.40 NTU	-17.7 mV	26.05 ft	200.00 ml/min
2/18/2025 10:38 AM	40:00	7.17 pH	18.52 °C	2,090.6 µS/cm	0.17 mg/L	22.10 NTU	-19.2 mV	26.05 ft	200.00 ml/min
2/18/2025 10:43 AM	45:00	7.18 pH	18.39 °C	2,091.2 µS/cm	0.16 mg/L	14.60 NTU	-21.1 mV	26.05 ft	200.00 ml/min
2/18/2025 10:48 AM	50:00	7.18 pH	18.37 °C	2,094.2 µS/cm	0.14 mg/L	11.20 NTU	-16.1 mV	26.05 ft	200.00 ml/min
2/18/2025 10:53 AM	55:00	7.19 pH	18.23 °C	2,097.0 µS/cm	0.13 mg/L	9.31 NTU	-18.0 mV	26.05 ft	200.00 ml/min
2/18/2025 10:55 AM	57:41	7.19 pH	18.26 °C	2,103.0 µS/cm	0.13 mg/L	—	-16.4 mV	26.05 ft	200.00 ml/min

2/18/2025 11:00 AM	01:02:41	7.20 pH	18.25 °C	2,102.2 µS/cm	0.12 mg/L	7.42 NTU	-26.4 mV	26.05 ft	200.00 ml/min
2/18/2025 11:05 AM	01:07:41	7.20 pH	18.34 °C	2,109.7 µS/cm	0.12 mg/L	5.73 NTU	-18.3 mV	26.05 ft	200.00 ml/min
2/18/2025 11:10 AM	01:12:41	7.20 pH	18.70 °C	2,103.7 µS/cm	0.11 mg/L	4.40 NTU	-27.3 mV	26.05 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-MW-34D	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/17/2025 1:22:54 PM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: MW-37D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 66.63 ft** **Total Depth: 76.63 ft** **Initial Depth to Water: 17.02 ft**	**Pump Type: Bladder** **Tubing Type: Polyethylene** **Pump Intake From TOC: 71.63 ft** **Estimated Total Volume Pumped: 19 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 11.65 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883530**

Test Notes:
Eight bottles: Full App. III & IV and Major Ions.

Weather Conditions:
Clear, 40 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/17/2025 1:22 PM	00:00	8.45 pH	16.59 °C	308.97 µS/cm	1.44 mg/L	2.28 NTU	-336.3 mV	17.02 ft	200.00 ml/min
2/17/2025 1:27 PM	05:00	8.06 pH	16.40 °C	305.38 µS/cm	1.00 mg/L	2.13 NTU	70.6 mV	18.15 ft	200.00 ml/min
2/17/2025 1:32 PM	10:00	7.96 pH	16.56 °C	302.93 µS/cm	0.94 mg/L	1.90 NTU	252.4 mV	19.23 ft	200.00 ml/min
2/17/2025 1:37 PM	15:00	7.94 pH	16.61 °C	303.01 µS/cm	0.84 mg/L	1.65 NTU	212.7 mV	20.11 ft	200.00 ml/min
2/17/2025 1:42 PM	20:00	7.92 pH	16.78 °C	302.72 µS/cm	0.75 mg/L	1.58 NTU	313.7 mV	21.07 ft	200.00 ml/min
2/17/2025 1:47 PM	25:00	7.92 pH	16.73 °C	303.09 µS/cm	0.76 mg/L	1.49 NTU	325.3 mV	22.10 ft	200.00 ml/min
2/17/2025 1:52 PM	30:00	7.93 pH	16.79 °C	302.98 µS/cm	0.78 mg/L	1.22 NTU	244.7 mV	22.83 ft	200.00 ml/min
2/17/2025 1:57 PM	35:00	7.93 pH	16.86 °C	303.11 µS/cm	0.78 mg/L	1.25 NTU	247.2 mV	23.64 ft	200.00 ml/min
2/17/2025 2:02 PM	40:00	7.92 pH	16.62 °C	301.62 µS/cm	0.76 mg/L	1.18 NTU	343.6 mV	24.33 ft	200.00 ml/min
2/17/2025 2:07 PM	45:00	7.93 pH	16.92 °C	303.97 µS/cm	0.77 mg/L	0.74 NTU	236.0 mV	24.96 ft	200.00 ml/min
2/17/2025 2:12 PM	50:00	7.92 pH	16.88 °C	303.17 µS/cm	0.75 mg/L	0.78 NTU	347.5 mV	25.65 ft	200.00 ml/min
2/17/2025 2:17 PM	55:00	7.93 pH	17.08 °C	304.04 µS/cm	0.80 mg/L	0.43 NTU	245.5 mV	26.32 ft	200.00 ml/min
2/17/2025 2:22 PM	01:00:00	7.92 pH	16.88 °C	302.65 µS/cm	0.77 mg/L	0.57 NTU	355.8 mV	27.05 ft	200.00 ml/min

2/17/2025 2:27 PM	01:05:00	7.93 pH	17.04 °C	302.89 µS/cm	0.82 mg/L	0.33 NTU	358.9 mV	27.48 ft	200.00 ml/min
2/17/2025 2:32 PM	01:10:00	7.94 pH	16.83 °C	303.42 µS/cm	0.80 mg/L	0.34 NTU	269.0 mV	28.03 ft	200.00 ml/min
2/17/2025 2:37 PM	01:15:00	7.92 pH	16.87 °C	303.49 µS/cm	0.82 mg/L	0.36 NTU	366.3 mV	28.55 ft	200.00 ml/min
2/17/2025 2:42 PM	01:20:00	7.94 pH	17.11 °C	303.48 µS/cm	0.93 mg/L	0.32 NTU	276.0 mV	28.63 ft	100.00 ml/min
2/17/2025 2:47 PM	01:25:00	7.94 pH	16.84 °C	301.40 µS/cm	1.16 mg/L	0.45 NTU	379.1 mV	28.50 ft	100.00 ml/min
2/17/2025 2:52 PM	01:30:00	7.94 pH	16.59 °C	299.73 µS/cm	1.16 mg/L	0.72 NTU	385.8 mV	28.56 ft	100.00 ml/min
2/17/2025 2:57 PM	01:35:00	7.93 pH	17.10 °C	302.30 µS/cm	1.02 mg/L	0.22 NTU	388.4 mV	28.59 ft	100.00 ml/min
2/17/2025 3:02 PM	01:40:00	7.94 pH	16.97 °C	300.62 µS/cm	0.95 mg/L	0.36 NTU	395.7 mV	28.63 ft	100.00 ml/min
2/17/2025 3:07 PM	01:45:00	7.95 pH	16.92 °C	301.26 µS/cm	1.05 mg/L	0.33 NTU	301.3 mV	28.66 ft	100.00 ml/min
2/17/2025 3:12 PM	01:50:00	7.94 pH	16.74 °C	300.23 µS/cm	1.01 mg/L	0.43 NTU	397.3 mV	28.67 ft	100.00 ml/min
2/17/2025 3:17 PM	01:55:00	7.94 pH	17.10 °C	300.74 µS/cm	1.00 mg/L	0.38 NTU	399.8 mV	28.68 ft	100.00 ml/min

Samples

Sample ID:	Description:
HAM-MW-37D	Grab.

Created using VuSitu from In-Situ, Inc.

Plant Hammond AP-2 Surface Water Samples 02/17/2025

Sample ID	Time	Sample Depth	Total Depth	Temp (C)	pH	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Conductance (mS/cm)	Coordinates
HAM-AP2-Up	1257	Surface	N/A	10.8	6.98	158.6	6.97	28.3	0.1070	34.252514, -85.353819
HAM-AP2-Mid	1245	Surface	N/A	10.7	7.01	101.3	7.32	50.6	0.0971	34.251308, 85.354189
HAM-AP2-Down	1100	Surface	N/A	10.7	6.97	93.1	6.93	49.2	0.0959	34.249366, -85.354189
HAM-H+0.35	1105	Surface	<10ft	9.8	7.23	117.5	9.15	76.2	0.1044	34.249103, -85.351854
HAM-H+0.75	1053	Surface	<10ft	9.8	7.43	82.8	9.27	75.6	0.1067	34.248819, -85.356505

Plant Hammond AP-1/AP-2 Surface Water Samples 02/17/2025

Sample ID	Time	Sample Depth	Total Depth	Temp (C)	pH	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Conductance (mS/cm)	Coordinates
HAM-H+0.25	1112	Surface	<10ft	9.8	7.18	125.2	9.11	68.0	0.1032	34.249261, -85.350334

March 2025

Low-Flow Test Report:

Test Date / Time: 3/6/2025 12:23:42 PM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: MW-35 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 13.52 ft** **Total Depth: 23.52 ft** **Initial Depth to Water: 10.59 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 18.52 ft** **Estimated Total Volume Pumped: 15 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 4.13 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167968**

Test Notes:
Eight bottles: Full App. III & IV and Major Ions.

Weather Conditions:
Clear, 55 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
3/6/2025 12:23 PM	00:00	7.66 pH	14.12 °C	2,407.8 µS/cm	6.35 mg/L	8.30 NTU	120.6 mV	10.59 ft	200.00 ml/min
3/6/2025 12:28 PM	05:00	5.66 pH	15.30 °C	2,285.5 µS/cm	4.14 mg/L	4.26 NTU	357.5 mV	13.14 ft	200.00 ml/min
3/6/2025 12:33 PM	10:00	5.64 pH	15.33 °C	2,275.7 µS/cm	4.05 mg/L	3.79 NTU	522.8 mV	13.32 ft	200.00 ml/min
3/6/2025 12:38 PM	15:00	5.63 pH	15.69 °C	2,302.3 µS/cm	3.95 mg/L	6.26 NTU	439.6 mV	13.49 ft	200.00 ml/min
3/6/2025 12:43 PM	20:00	5.64 pH	15.88 °C	2,285.5 µS/cm	3.86 mg/L	5.88 NTU	437.4 mV	13.76 ft	200.00 ml/min
3/6/2025 12:48 PM	25:00	5.61 pH	15.94 °C	2,289.2 µS/cm	3.51 mg/L	5.49 NTU	429.0 mV	13.99 ft	200.00 ml/min
3/6/2025 12:53 PM	30:00	5.60 pH	16.16 °C	2,289.0 µS/cm	3.26 mg/L	7.81 NTU	421.8 mV	14.24 ft	200.00 ml/min
3/6/2025 12:58 PM	35:00	5.60 pH	16.58 °C	2,315.5 µS/cm	2.85 mg/L	6.72 NTU	411.2 mV	14.36 ft	200.00 ml/min
3/6/2025 1:03 PM	40:00	5.63 pH	16.64 °C	2,277.7 µS/cm	2.82 mg/L	5.31 NTU	403.1 mV	14.49 ft	200.00 ml/min
3/6/2025 1:08 PM	45:00	5.64 pH	16.80 °C	2,283.5 µS/cm	2.71 mg/L	4.12 NTU	392.6 mV	14.53 ft	200.00 ml/min
3/6/2025 1:13 PM	50:00	5.64 pH	16.53 °C	2,276.8 µS/cm	2.61 mg/L	3.50 NTU	393.2 mV	14.57 ft	200.00 ml/min
3/6/2025 1:18 PM	55:00	5.62 pH	16.87 °C	2,279.1 µS/cm	2.50 mg/L	3.39 NTU	388.7 mV	14.61 ft	200.00 ml/min
3/6/2025 1:23 PM	01:00:00	5.63 pH	16.72 °C	2,256.4 µS/cm	2.42 mg/L	3.11 NTU	384.6 mV	14.66 ft	200.00 ml/min

3/6/2025 1:28 PM	01:05:00	5.60 pH	16.75 °C	2,277.4 µS/cm	2.33 mg/L	2.56 NTU	379.5 mV	14.68 ft	200.00 ml/min
3/6/2025 1:33 PM	01:10:00	5.57 pH	16.82 °C	2,269.4 µS/cm	2.27 mg/L	2.54 NTU	378.3 mV	14.72 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-MW-35	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 3/6/2025 2:37:49 PM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: MW-51 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 18.90 ft** **Total Depth: 28.90 ft** **Initial Depth to Water: 10.87 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 23.90 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 2.93 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167968**

Test Notes:
Eight bottles: Full App. III & IV and Major Ions.

Weather Conditions:
Clear, 50 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
3/6/2025 2:37 PM	00:00	5.85 pH	18.62 °C	2,065.0 µS/cm	2.53 mg/L	5.49 NTU	340.1 mV	10.87 ft	200.00 ml/min
3/6/2025 2:42 PM	05:00	5.84 pH	17.44 °C	2,004.7 µS/cm	1.09 mg/L	3.08 NTU	508.1 mV	13.08 ft	200.00 ml/min
3/6/2025 2:47 PM	10:00	5.87 pH	17.40 °C	1,999.5 µS/cm	1.08 mg/L	2.18 NTU	374.8 mV	13.34 ft	200.00 ml/min
3/6/2025 2:52 PM	15:00	5.87 pH	17.61 °C	1,987.3 µS/cm	0.97 mg/L	1.60 NTU	365.9 mV	13.51 ft	200.00 ml/min
3/6/2025 2:57 PM	20:00	5.84 pH	17.44 °C	1,972.1 µS/cm	1.02 mg/L	1.81 NTU	362.0 mV	13.69 ft	200.00 ml/min
3/6/2025 3:02 PM	25:00	5.84 pH	17.18 °C	1,977.1 µS/cm	0.96 mg/L	1.95 NTU	352.1 mV	13.76 ft	200.00 ml/min
3/6/2025 3:07 PM	30:00	5.90 pH	17.31 °C	1,975.1 µS/cm	0.93 mg/L	1.45 NTU	322.2 mV	13.80 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-MW-51	Grab.

AUGUST 2025

Low-Flow Test Report:

Test Date / Time: 8/5/2025 1:04:14 PM
Project: GP- Plant Hammond
Operator Name: T. Kessler

Location Name: HGWA-1 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 22.49 ft** **Total Depth: 32.49 ft** **Initial Depth to Water: 18.33 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 27.49 ft** **Estimated Total Volume Pumped: 9 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.57 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843593**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Cloudy, 75 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/5/2025 1:04 PM	00:00	6.889 pH	18.43 °C	585.7 µS/cm	1.791 mg/L	2.180 NTU	82.4 mV	18.90 ft	200.0 ml/min
8/5/2025 1:09 PM	05:00	6.898 pH	18.26 °C	593.2 µS/cm	1.037 mg/L	1.310 NTU	80.2 mV	18.90 ft	200.0 ml/min
8/5/2025 1:14 PM	10:00	6.914 pH	18.10 °C	594.3 µS/cm	0.748 mg/L	1.110 NTU	95.5 mV	18.90 ft	200.0 ml/min
8/5/2025 1:19 PM	15:00	6.921 pH	18.07 °C	598.6 µS/cm	0.503 mg/L	0.460 NTU	97.3 mV	18.90 ft	200.0 ml/min
8/5/2025 1:24 PM	20:00	6.923 pH	18.15 °C	601.7 µS/cm	0.533 mg/L	0.470 NTU	79.1 mV	18.90 ft	200.0 ml/min
8/5/2025 1:29 PM	25:00	6.942 pH	17.16 °C	586.2 µS/cm	0.293 mg/L	0.020 NTU	96.5 mV	18.90 ft	200.0 ml/min
8/5/2025 1:34 PM	30:00	6.934 pH	17.08 °C	608.7 µS/cm	0.157 mg/L	0.050 NTU	74.0 mV	18.90 ft	200.0 ml/min
8/5/2025 1:39 PM	35:00	6.937 pH	17.01 °C	620.8 µS/cm	0.101 mg/L	0.070 NTU	56.7 mV	18.90 ft	200.0 ml/min
8/5/2025 1:44 PM	40:00	6.942 pH	17.07 °C	624.0 µS/cm	0.070 mg/L	0.100 NTU	48.8 mV	18.90 ft	200.0 ml/min

Samples

Sample ID:	Description:

HAM-HGWA-1	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/5/2025 12:18:04 PM
Project: GP-Plant Hammond
Operator Name: J. Newsome

Location Name: HGWA-2 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 17.95 ft** **Total Depth: 27.95 ft** **Initial Depth to Water: 13.55 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 22.95 ft** **Estimated Total Volume Pumped: 6 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.2 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965586**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Overcast, 70 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/5/2025 12:18 PM	00:00	5.25 pH	18.81 °C	220.77 µS/cm	0.53 mg/L	12.51 NTU	113.1 mV	13.55 ft	200.00 ml/min
8/5/2025 12:23 PM	05:00	4.98 pH	18.70 °C	245.38 µS/cm	0.41 mg/L	12.30 NTU	107.6 mV	13.75 ft	200.00 ml/min
8/5/2025 12:28 PM	10:00	4.93 pH	18.88 °C	246.51 µS/cm	0.49 mg/L	7.98 NTU	97.3 mV	13.75 ft	200.00 ml/min
8/5/2025 12:33 PM	15:00	4.90 pH	18.91 °C	246.79 µS/cm	0.48 mg/L	4.00 NTU	93.1 mV	13.75 ft	200.00 ml/min
8/5/2025 12:38 PM	20:00	4.91 pH	18.83 °C	246.74 µS/cm	0.48 mg/L	3.97 NTU	89.2 mV	13.75 ft	200.00 ml/min
8/5/2025 12:43 PM	25:00	4.93 pH	18.83 °C	247.43 µS/cm	0.50 mg/L	1.90 NTU	86.4 mV	13.75 ft	200.00 ml/min
8/5/2025 12:48 PM	30:00	4.90 pH	18.92 °C	246.88 µS/cm	0.52 mg/L	1.01 NTU	86.2 mV	13.75 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-2	Grab.

Low-Flow Test Report:

Test Date / Time: 8/5/2025 1:16:16 PM
Project: GP-Plant Hammond
Operator Name: J. Newsome

Location Name: HGWA-3 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 34.51 ft** **Total Depth: 44.51 ft** **Initial Depth to Water: 13.19 ft**	**Pump Type: Bladder** **Tubing Type: Polyethylene** **Pump Intake From TOC: 39.51 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965586**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Overcast, 70 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/5/2025 1:16 PM	00:00	6.51 pH	18.82 °C	436.22 µS/cm	0.80 mg/L	53.21 NTU	31.5 mV	13.19 ft	200.00 ml/min
8/5/2025 1:21 PM	05:00	6.78 pH	18.51 °C	434.56 µS/cm	0.07 mg/L	50.10 NTU	13.2 mV	13.24 ft	200.00 ml/min
8/5/2025 1:26 PM	10:00	6.90 pH	18.47 °C	433.92 µS/cm	0.04 mg/L	18.80 NTU	5.2 mV	13.24 ft	200.00 ml/min
8/5/2025 1:31 PM	15:00	6.98 pH	18.51 °C	432.26 µS/cm	0.04 mg/L	11.90 NTU	1.9 mV	13.24 ft	200.00 ml/min
8/5/2025 1:36 PM	20:00	7.04 pH	18.51 °C	432.70 µS/cm	0.05 mg/L	10.09 NTU	-2.0 mV	13.24 ft	200.00 ml/min
8/5/2025 1:41 PM	25:00	7.06 pH	18.51 °C	432.65 µS/cm	0.05 mg/L	7.26 NTU	-4.9 mV	13.24 ft	200.00 ml/min
8/5/2025 1:46 PM	30:00	7.09 pH	18.50 °C	432.55 µS/cm	0.05 mg/L	5.67 NTU	-9.4 mV	13.24 ft	200.00 ml/min
8/5/2025 1:51 PM	35:00	7.12 pH	18.44 °C	432.91 µS/cm	0.05 mg/L	4.75 NTU	-15.2 mV	13.24 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-3	Grab.

Low-Flow Test Report:

Test Date / Time: 8/5/2025 11:32:03 AM
Project: GP-Plant Hammond
Operator Name: T. Kessler

Location Name: HGWA-43D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 51.25 ft** **Total Depth: 61.25 ft** **Initial Depth to Water: 18.4 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 56.25 ft** **Estimated Total Volume Pumped: 7.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 2.45 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843593**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Cloudy, 69 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 5	
8/5/2025 11:32 AM	00:00	7.383 pH	17.72 °C	458.4 µS/cm	0.464 mg/L	2.510 NTU	-60.6 mV	20.25 ft	200.0 ml/min
8/5/2025 11:37 AM	05:00	7.396 pH	17.59 °C	460.6 µS/cm	0.352 mg/L	1.890 NTU	-101.4 mV	20.50 ft	200.0 ml/min
8/5/2025 11:42 AM	10:00	7.414 pH	17.54 °C	461.8 µS/cm	0.297 mg/L	1.530 NTU	-109.9 mV	20.70 ft	200.0 ml/min
8/5/2025 11:47 AM	15:00	7.425 pH	17.59 °C	460.6 µS/cm	0.272 mg/L	1.040 NTU	-81.3 mV	20.80 ft	200.0 ml/min
8/5/2025 11:49 AM	17:27	7.425 pH	17.57 °C	459.0 µS/cm	0.262 mg/L	1.040 NTU	-82.8 mV	20.85 ft	200.0 ml/min
8/5/2025 11:54 AM	22:27	7.426 pH	17.54 °C	455.9 µS/cm	0.244 mg/L	2.260 NTU	-109.2 mV	20.85 ft	200.0 ml/min
8/5/2025 11:59 AM	27:27	7.423 pH	17.58 °C	453.4 µS/cm	0.213 mg/L	0.730 NTU	-77.5 mV	20.85 ft	200.0 ml/min
8/5/2025 12:04 PM	32:27	7.422 pH	17.55 °C	451.1 µS/cm	0.190 mg/L	0.930 NTU	-76.0 mV	20.85 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-43D	Grab.

Low-Flow Test Report:

Test Date / Time: 8/5/2025 9:20:19 AM
Project: HGWA-44D
Operator Name: T. Kessler

Location Name: HGWA-44D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 103.5 ft** **Total Depth: 113.5 ft** **Initial Depth to Water: 18.9 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 108.5 ft** **Estimated Total Volume Pumped: 14 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 5.15 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843593**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Cloudy, 69 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 5	
8/5/2025 9:20 AM	00:00	8.339 pH	18.03 °C	553.9 µS/cm	1.942 mg/L	10.92 NTU	-104.3 mV	21.20 ft	200.0 ml/min
8/5/2025 9:25 AM	05:00	8.359 pH	17.98 °C	550.7 µS/cm	1.263 mg/L	12.50 NTU	-105.5 mV	21.46 ft	200.0 ml/min
8/5/2025 9:30 AM	10:00	8.375 pH	17.90 °C	544.7 µS/cm	0.520 mg/L	13.52 NTU	-106.1 mV	21.69 ft	200.0 ml/min
8/5/2025 9:35 AM	15:00	8.390 pH	17.90 °C	554.9 µS/cm	0.246 mg/L	13.41 NTU	-111.2 mV	21.95 ft	200.0 ml/min
8/5/2025 9:40 AM	20:00	8.403 pH	17.90 °C	549.9 µS/cm	0.228 mg/L	6.610 NTU	-117.1 mV	22.41 ft	200.0 ml/min
8/5/2025 9:45 AM	25:00	8.413 pH	17.90 °C	546.2 µS/cm	0.200 mg/L	6.510 NTU	-123.3 mV	22.75 ft	200.0 ml/min
8/5/2025 9:50 AM	30:00	8.421 pH	17.89 °C	548.0 µS/cm	0.179 mg/L	6.300 NTU	-124.6 mV	23.05 ft	200.0 ml/min
8/5/2025 9:55 AM	35:00	8.429 pH	17.86 °C	551.4 µS/cm	0.098 mg/L	5.710 NTU	-128.9 mV	23.20 ft	200.0 ml/min
8/5/2025 10:00 AM	40:00	8.436 pH	17.88 °C	553.5 µS/cm	0.086 mg/L	6.310 NTU	-133.0 mV	23.41 ft	200.0 ml/min
8/5/2025 10:05 AM	45:00	8.441 pH	17.98 °C	553.4 µS/cm	0.077 mg/L	5.140 NTU	-136.3 mV	23.52 ft	200.0 ml/min
8/5/2025 10:10 AM	50:00	8.449 pH	17.82 °C	564.2 µS/cm	1.690 mg/L	4.840 NTU	-184.9 mV	23.70 ft	200.0 ml/min
8/5/2025 10:15 AM	55:00	8.454 pH	17.90 °C	562.2 µS/cm	3.420 mg/L	4.840 NTU	-188.1 mV	23.75 ft	200.0 ml/min
8/5/2025 10:20 AM	01:00:00	8.459 pH	17.85 °C	570.4 µS/cm	0.092 mg/L	4.630 NTU	-188.5 mV	23.90 ft	200.0 ml/min

8/5/2025 10:25 AM	01:05:00	8.460 pH	17.89 °C	564.9 µS/cm	0.069 mg/L	4.770 NTU	-146.2 mV	23.90 ft	200.0 ml/min
8/5/2025 10:30 AM	01:10:00	8.463 pH	17.91 °C	558.0 µS/cm	0.053 mg/L	4.280 NTU	-147.9 mV	24.05 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-44D	Grab.
HAM-UGRD-FD-01	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/5/2025 9:39:02 AM
Project: GP-Plant Hammond
Operator Name: J. Newsome

Location Name: HGWA-4 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 19 ft** **Top of Screen: 15.16 ft** **Total Depth: 25.16 ft** **Initial Depth to Water: 9.73 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 20.76 ft** **Estimated Total Volume Pumped: 6 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min Final Draw Down: -0.03 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965586**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Overcast, 70 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/5/2025 9:39 AM	00:00	5.76 pH	20.76 °C	223.83 µS/cm	4.68 mg/L	4.21 NTU	63.0 mV	9.73 ft	200.00 ml/min
8/5/2025 9:44 AM	05:00	5.68 pH	20.92 °C	227.98 µS/cm	4.93 mg/L	3.79 NTU	65.8 mV	9.70 ft	200.00 ml/min
8/5/2025 9:49 AM	10:00	5.63 pH	22.09 °C	227.43 µS/cm	4.62 mg/L	3.17 NTU	64.9 mV	9.70 ft	200.00 ml/min
8/5/2025 9:54 AM	15:00	5.62 pH	22.10 °C	227.79 µS/cm	4.58 mg/L	2.66 NTU	67.9 mV	9.70 ft	200.00 ml/min
8/5/2025 9:59 AM	20:00	5.60 pH	20.66 °C	222.17 µS/cm	4.34 mg/L	3.18 NTU	65.8 mV	9.70 ft	200.00 ml/min
8/5/2025 10:04 AM	25:00	5.56 pH	20.39 °C	225.82 µS/cm	4.26 mg/L	3.98 NTU	68.5 mV	9.70 ft	200.00 ml/min
8/5/2025 10:09 AM	30:00	5.58 pH	20.27 °C	226.07 µS/cm	4.24 mg/L	3.18 NTU	68.3 mV	9.70 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-4	Grab.

Low-Flow Test Report:

Test Date / Time: 8/5/2025 10:49:58 AM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: HGWA-5 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 18.72 ft** **Total Depth: 28.72 ft** **Initial Depth to Water: 6.3 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 28.72 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.81 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Cloudy, 70 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/5/2025 10:49 AM	00:00	6.036 pH	20.17 °C	157.7 µS/cm	0.604 mg/L	11.10 NTU	63.2 mV	6.300 ft	200.0 ml/min
8/5/2025 10:54 AM	05:00	6.223 pH	19.53 °C	195.9 µS/cm	0.271 mg/L	7.130 NTU	45.6 mV	6.840 ft	200.0 ml/min
8/5/2025 10:59 AM	10:00	6.334 pH	19.41 °C	214.2 µS/cm	0.159 mg/L	3.760 NTU	34.0 mV	7.030 ft	200.0 ml/min
8/5/2025 11:04 AM	15:00	6.391 pH	19.35 °C	222.7 µS/cm	0.127 mg/L	2.690 NTU	28.1 mV	7.050 ft	200.0 ml/min
8/5/2025 11:09 AM	20:00	6.396 pH	19.33 °C	222.3 µS/cm	0.111 mg/L	1.660 NTU	27.3 mV	7.080 ft	200.0 ml/min
8/5/2025 11:14 AM	25:00	6.414 pH	19.32 °C	223.5 µS/cm	0.102 mg/L	1.060 NTU	25.7 mV	7.100 ft	200.0 ml/min
8/5/2025 11:19 AM	30:00	6.421 pH	19.23 °C	225.8 µS/cm	0.098 mg/L	1.080 NTU	25.2 mV	7.110 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-5	Grab.

Low-Flow Test Report:

Test Date / Time: 8/5/2025 9:26:31 AM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: HGWA-6 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 39.66 ft** **Total Depth: 49.66 ft** **Initial Depth to Water: 5.68 ft**	**Pump Type: Peristaltic** **Tubing Type: Poly** **Pump Intake From TOC: 44.66 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min Final Draw Down: 1.35 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Cloudy, 70 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/5/2025 9:26 AM	00:00	7.401 pH	20.10 °C	359.7 µS/cm	0.719 mg/L	0.530 NTU	0.0 mV	5.680 ft	200.0 ml/min
8/5/2025 9:31 AM	05:00	7.434 pH	19.44 °C	364.0 µS/cm	0.591 mg/L	1.260 NTU	-10.4 mV	5.930 ft	200.0 ml/min
8/5/2025 9:36 AM	10:00	7.447 pH	19.28 °C	364.6 µS/cm	0.330 mg/L	0.670 NTU	-22.1 mV	6.470 ft	200.0 ml/min
8/5/2025 9:41 AM	15:00	7.448 pH	19.20 °C	364.9 µS/cm	0.245 mg/L	0.410 NTU	-31.0 mV	6.990 ft	200.0 ml/min
8/5/2025 9:46 AM	20:00	7.463 pH	19.12 °C	364.9 µS/cm	0.211 mg/L	0.520 NTU	-39.1 mV	7.020 ft	200.0 ml/min
8/5/2025 9:51 AM	25:00	7.470 pH	19.12 °C	365.0 µS/cm	0.212 mg/L	0.270 NTU	-44.8 mV	7.030 ft	200.0 ml/min
8/5/2025 9:56 AM	30:00	7.473 pH	19.08 °C	365.3 µS/cm	0.207 mg/L	0.050 NTU	-48.6 mV	7.030 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-6	Grab.

Low-Flow Test Report:

Test Date / Time: 8/5/2025 10:50:05 AM
Project: GP-Plant Hammond
Operator Name: J. Newsome

Location Name: HGWA-42D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 58.03 ft** **Total Depth: 68.03 ft** **Initial Depth to Water: 12.03 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 63.03 ft** **Estimated Total Volume Pumped: 6 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min Final Draw Down: 1.14 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965586**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Overcast, 70 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/5/2025 10:50 AM	00:00	6.71 pH	20.12 °C	305.51 µS/cm	1.30 mg/L	68.50 NTU	14.2 mV	12.03 ft	200.00 ml/min
8/5/2025 10:55 AM	05:00	6.99 pH	19.83 °C	302.43 µS/cm	1.02 mg/L	57.10 NTU	-1.8 mV	13.15 ft	200.00 ml/min
8/5/2025 11:00 AM	10:00	7.16 pH	19.81 °C	299.87 µS/cm	0.86 mg/L	24.81 NTU	-9.1 mV	13.17 ft	200.00 ml/min
8/5/2025 11:05 AM	15:00	7.25 pH	19.78 °C	299.84 µS/cm	0.76 mg/L	12.53 NTU	-15.0 mV	13.17 ft	200.00 ml/min
8/5/2025 11:10 AM	20:00	7.33 pH	19.77 °C	300.43 µS/cm	0.75 mg/L	8.86 NTU	-23.2 mV	13.17 ft	200.00 ml/min
8/5/2025 11:15 AM	25:00	7.39 pH	19.77 °C	300.31 µS/cm	0.74 mg/L	5.79 NTU	-29.6 mV	13.17 ft	200.00 ml/min
8/5/2025 11:20 AM	30:00	7.42 pH	19.77 °C	299.98 µS/cm	0.79 mg/L	4.81 NTU	-35.2 mV	13.17 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWA-42D	Grab.

Low-Flow Test Report:

Test Date / Time: 8/8/2025 12:26:36 PM
Project: GP-Plant Hammond
Operator Name: J. Newsome

Location Name: HGWC-14 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.98 ft** **Total Depth: 42.98 ft** **Initial Depth to Water: 28.53 ft**	**Pump Type: Peristaltic** **Tubing Type: Poly** **Pump Intake From TOC: 37.98 ft** **Estimated Total Volume Pumped: 9 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965586**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Sunny, 85 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/8/2025 12:26 PM	00:00	5.41 pH	26.69 °C	1,571.3 µS/cm	3.14 mg/L	7.91 NTU	119.8 mV	28.53 ft	200.00 ml/min
8/8/2025 12:28 PM	01:47	5.50 pH	26.69 °C	1,566.7 µS/cm	3.37 mg/L	--	117.4 mV	28.53 ft	200.00 ml/min
8/8/2025 12:29 PM	03:05	5.51 pH	26.69 °C	1,564.6 µS/cm	3.82 mg/L	--	117.8 mV	28.53 ft	200.00 ml/min
8/8/2025 12:34 PM	08:05	5.36 pH	27.82 °C	1,562.3 µS/cm	3.30 mg/L	6.74 NTU	125.9 mV	28.53 ft	200.00 ml/min
8/8/2025 12:39 PM	13:05	5.00 pH	26.97 °C	1,505.8 µS/cm	3.63 mg/L	5.45 NTU	135.4 mV	28.53 ft	200.00 ml/min
8/8/2025 12:44 PM	18:05	4.82 pH	27.34 °C	1,575.9 µS/cm	3.76 mg/L	8.91 NTU	137.1 mV	28.53 ft	200.00 ml/min
8/8/2025 12:49 PM	23:05	4.72 pH	27.19 °C	1,601.0 µS/cm	3.84 mg/L	17.94 NTU	141.7 mV	28.53 ft	200.00 ml/min
8/8/2025 12:54 PM	28:05	4.68 pH	27.13 °C	1,360.0 µS/cm	2.65 mg/L	9.45 NTU	145.8 mV	28.53 ft	200.00 ml/min
8/8/2025 12:59 PM	33:05	4.65 pH	27.67 °C	1,276.0 µS/cm	3.03 mg/L	9.80 NTU	148.4 mV	28.53 ft	200.00 ml/min
8/8/2025 1:04 PM	38:05	4.64 pH	29.17 °C	1,601.5 µS/cm	2.92 mg/L	8.41 NTU	150.2 mV	28.53 ft	200.00 ml/min
8/8/2025 1:09 PM	43:05	4.65 pH	29.57 °C	1,562.0 µS/cm	2.97 mg/L	6.47 NTU	151.2 mV	28.53 ft	200.00 ml/min
8/8/2025 1:14 PM	48:05	4.65 pH	28.32 °C	1,569.1 µS/cm	2.90 mg/L	4.64 NTU	149.7 mV	28.53 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWC-14	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/8/2025 10:26:16 AM
Project: GP-Plant Hammond
Operator Name: J. Newsome

Location Name: HGWC-15 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 27.96 ft** **Total Depth: 37.96 ft** **Initial Depth to Water: 16.91 ft**	**Pump Type: Peristaltic** **Tubing Type: Poly** **Pump Intake From TOC: 32.96 ft** **Estimated Total Volume Pumped: 6 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.73 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965586**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Sunny, 77 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/8/2025 10:26 AM	00:00	6.79 pH	21.60 °C	1,075.0 µS/cm	1.00 mg/L	0.77 NTU	99.3 mV	17.61 ft	200.00 ml/min
8/8/2025 10:31 AM	05:00	6.71 pH	20.40 °C	1,124.3 µS/cm	0.96 mg/L	0.62 NTU	106.6 mV	17.64 ft	200.00 ml/min
8/8/2025 10:36 AM	10:00	6.67 pH	20.27 °C	1,116.8 µS/cm	0.92 mg/L	0.60 NTU	110.6 mV	17.64 ft	200.00 ml/min
8/8/2025 10:41 AM	15:00	6.66 pH	20.34 °C	1,113.5 µS/cm	0.90 mg/L	0.48 NTU	112.7 mV	17.64 ft	200.00 ml/min
8/8/2025 10:46 AM	20:00	6.64 pH	20.32 °C	1,109.7 µS/cm	0.88 mg/L	0.21 NTU	115.5 mV	17.64 ft	200.00 ml/min
8/8/2025 10:51 AM	25:00	6.61 pH	20.24 °C	1,104.6 µS/cm	0.82 mg/L	0.24 NTU	116.8 mV	17.64 ft	200.00 ml/min
8/8/2025 10:56 AM	30:00	6.59 pH	20.40 °C	1,107.4 µS/cm	0.82 mg/L	0.31 NTU	118.5 mV	17.64 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-HGWC-15	Grab.

Low-Flow Test Report:

Test Date / Time: 8/8/2025 12:42:58 PM
Project: GP-Plant Hammond
Operator Name: A. Tomlinson

Location Name: HGWC-16 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 23.06 ft** **Total Depth: 33.06 ft** **Initial Depth to Water: 13.47 ft**	**Pump Type: Peristaltic** **Tubing Type: Poly** **Pump Intake From TOC: 28.06 ft** **Estimated Total Volume Pumped: 9 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.93 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843593**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Partly cloudy, 81 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 5	
8/8/2025 12:42 PM	00:00	7.067 pH	21.73 °C	909.6 µS/cm	0.829 mg/L	0.730 NTU	-57.3 mV	14.31 ft	200.0 ml/min
8/8/2025 12:47 PM	05:00	7.094 pH	20.65 °C	926.9 µS/cm	0.955 mg/L	0.390 NTU	-80.1 mV	14.30 ft	200.0 ml/min
8/8/2025 12:52 PM	10:00	7.110 pH	20.62 °C	927.7 µS/cm	0.925 mg/L	0.990 NTU	-48.2 mV	14.32 ft	200.0 ml/min
8/8/2025 12:57 PM	15:00	7.103 pH	20.31 °C	931.5 µS/cm	0.918 mg/L	0.300 NTU	-73.5 mV	14.34 ft	200.0 ml/min
8/8/2025 1:02 PM	20:00	7.098 pH	21.26 °C	921.2 µS/cm	0.924 mg/L	0.190 NTU	-45.1 mV	14.36 ft	200.0 ml/min
8/8/2025 1:07 PM	25:00	7.107 pH	20.73 °C	932.5 µS/cm	0.933 mg/L	0.160 NTU	-68.1 mV	14.38 ft	200.0 ml/min
8/8/2025 1:12 PM	30:00	7.102 pH	21.48 °C	919.6 µS/cm	0.910 mg/L	0.350 NTU	-41.5 mV	14.39 ft	200.0 ml/min
8/8/2025 1:17 PM	35:00	7.102 pH	21.65 °C	922.7 µS/cm	0.939 mg/L	0.260 NTU	-39.8 mV	14.40 ft	200.0 ml/min
8/8/2025 1:22 PM	40:00	7.107 pH	21.14 °C	910.0 µS/cm	0.899 mg/L	0.250 NTU	-38.6 mV	14.40 ft	200.0 ml/min

Samples

Sample ID:	Description:

HAM-HGWC-16	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/8/2025 10:46:28 AM
Project: GP-Plant Hammond
Operator Name: A. Tomlinson

Location Name: HGWC-17 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 17.79 ft** **Total Depth: 27.79 ft** **Initial Depth to Water: 19.4 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 22.79 ft** **Estimated Total Volume Pumped: 15 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.15 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843593**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Partly cloudy, 76 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 5	
8/8/2025 10:46 AM	00:00	6.443 pH	21.31 °C	1,028 µS/cm	0.708 mg/L	1,000 NTU	192.3 mV	19.55 ft	200.0 ml/min
8/8/2025 10:51 AM	05:00	6.436 pH	19.85 °C	1,070 µS/cm	0.661 mg/L	1,000 NTU	139.0 mV	19.55 ft	200.0 ml/min
8/8/2025 10:56 AM	10:00	6.436 pH	19.77 °C	1,087 µS/cm	0.697 mg/L	1,000 NTU	130.1 mV	19.55 ft	200.0 ml/min
8/8/2025 11:01 AM	15:00	6.426 pH	19.56 °C	1,106 µS/cm	0.633 mg/L	82.50 NTU	124.2 mV	19.55 ft	200.0 ml/min
8/8/2025 11:06 AM	20:00	6.428 pH	19.66 °C	1,107 µS/cm	0.570 mg/L	51.70 NTU	119.7 mV	19.55 ft	200.0 ml/min
8/8/2025 11:11 AM	25:00	6.427 pH	19.67 °C	1,108 µS/cm	0.582 mg/L	32.90 NTU	119.2 mV	19.55 ft	200.0 ml/min
8/8/2025 11:16 AM	30:00	6.427 pH	19.47 °C	1,118 µS/cm	0.574 mg/L	20.10 NTU	150.3 mV	19.55 ft	200.0 ml/min
8/8/2025 11:21 AM	35:00	6.432 pH	19.81 °C	1,111 µS/cm	0.608 mg/L	15.40 NTU	118.8 mV	19.55 ft	200.0 ml/min
8/8/2025 11:26 AM	40:00	6.431 pH	19.82 °C	1,113 µS/cm	0.610 mg/L	12.80 NTU	117.5 mV	19.55 ft	200.0 ml/min
8/8/2025 11:31 AM	45:00	6.428 pH	19.59 °C	1,119 µS/cm	0.609 mg/L	9.020 NTU	115.3 mV	19.55 ft	200.0 ml/min
8/8/2025 11:36 AM	50:00	6.420 pH	19.64 °C	1,129 µS/cm	0.555 mg/L	8.410 NTU	145.1 mV	19.55 ft	200.0 ml/min
8/8/2025 11:41 AM	55:00	6.422 pH	19.79 °C	1,128 µS/cm	0.550 mg/L	7.130 NTU	116.3 mV	19.55 ft	200.0 ml/min
8/8/2025 11:46 AM	01:00:00	6.431 pH	19.59 °C	1,130 µS/cm	0.586 mg/L	5.610 NTU	113.7 mV	19.55 ft	200.0 ml/min

8/8/2025 11:51 AM	01:05:00	6.425 pH	19.61 °C	1,127 µS/cm	0.587 mg/L	4.980 NTU	111.4 mV	19.55 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-HGWC-17	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/8/2025 9:21:48 AM
Project: GP-Plant Hammond
Operator Name: A. Tomlinson

Location Name: HGWC-18 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 17.71 ft** **Total Depth: 27.71 ft** **Initial Depth to Water: 18.64 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 22.71 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.34 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843593**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Cloudy, 73 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 5	
8/8/2025 9:21 AM	00:00	4.738 pH	21.71 °C	843.6 µS/cm	2.407 mg/L	19.20 NTU	216.8 mV	18.82 ft	200.0 ml/min
8/8/2025 9:26 AM	05:00	4.705 pH	19.72 °C	870.2 µS/cm	2.436 mg/L	12.00 NTU	283.4 mV	18.89 ft	200.0 ml/min
8/8/2025 9:31 AM	10:00	4.707 pH	20.00 °C	866.3 µS/cm	2.265 mg/L	7.370 NTU	227.8 mV	18.95 ft	200.0 ml/min
8/8/2025 9:36 AM	15:00	4.709 pH	20.00 °C	875.6 µS/cm	2.201 mg/L	4.380 NTU	258.2 mV	18.98 ft	200.0 ml/min
8/8/2025 9:41 AM	20:00	4.716 pH	19.91 °C	886.8 µS/cm	2.138 mg/L	2.820 NTU	271.7 mV	18.98 ft	200.0 ml/min
8/8/2025 9:46 AM	25:00	4.718 pH	19.81 °C	888.9 µS/cm	2.044 mg/L	1.660 NTU	282.7 mV	18.98 ft	200.0 ml/min
8/8/2025 9:51 AM	30:00	4.719 pH	19.88 °C	890.7 µS/cm	1.980 mg/L	1.160 NTU	292.5 mV	18.98 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-HGWC-18	Grab.

Low-Flow Test Report:

Test Date / Time: 8/8/2025 2:20:05 PM
Project: GP-Plant Hammond
Operator Name: A. Tomlinson

Location Name: MW-21D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 41.88 ft** **Total Depth: 51.88 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 46.88 ft** **Estimated Total Volume Pumped: 21 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.31 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843593**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Partly cloudy, 83 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 5	
8/8/2025 2:20 PM	00:00	7.349 pH	24.03 °C	504.2 µS/cm	2.356 mg/L	32.80 NTU	-81.1 mV	18.76 ft	200.0 ml/min
8/8/2025 2:25 PM	05:00	7.283 pH	20.27 °C	475.9 µS/cm	1.142 mg/L	49.90 NTU	-82.0 mV	18.78 ft	200.0 ml/min
8/8/2025 2:30 PM	10:00	7.288 pH	19.60 °C	471.5 µS/cm	0.804 mg/L	1,000 NTU	-108.6 mV	18.80 ft	200.0 ml/min
8/8/2025 2:35 PM	15:00	7.289 pH	20.02 °C	464.0 µS/cm	0.722 mg/L	1,000 NTU	-80.4 mV	18.83 ft	200.0 ml/min
8/8/2025 2:40 PM	20:00	7.293 pH	19.77 °C	461.8 µS/cm	0.716 mg/L	82.10 NTU	-108.3 mV	18.83 ft	200.0 ml/min
8/8/2025 2:45 PM	25:00	7.302 pH	19.28 °C	467.6 µS/cm	0.766 mg/L	44.90 NTU	-108.8 mV	18.85 ft	200.0 ml/min
8/8/2025 2:50 PM	30:00	7.304 pH	19.48 °C	466.5 µS/cm	0.740 mg/L	26.30 NTU	-87.2 mV	18.86 ft	200.0 ml/min
8/8/2025 2:55 PM	35:00	7.302 pH	19.41 °C	471.5 µS/cm	0.755 mg/L	21.40 NTU	-109.4 mV	18.86 ft	200.0 ml/min
8/8/2025 3:00 PM	40:00	7.298 pH	19.62 °C	474.0 µS/cm	0.726 mg/L	17.30 NTU	-110.2 mV	18.86 ft	200.0 ml/min
8/8/2025 3:05 PM	45:00	7.324 pH	19.97 °C	466.1 µS/cm	0.734 mg/L	15.30 NTU	-89.1 mV	18.86 ft	200.0 ml/min
8/8/2025 3:10 PM	50:00	7.299 pH	19.76 °C	474.9 µS/cm	0.747 mg/L	12.70 NTU	-108.9 mV	18.86 ft	200.0 ml/min
8/8/2025 3:15 PM	55:00	7.300 pH	20.09 °C	475.0 µS/cm	0.711 mg/L	9.730 NTU	-87.7 mV	18.86 ft	200.0 ml/min
8/8/2025 3:20 PM	01:00:00	7.301 pH	19.96 °C	477.5 µS/cm	0.715 mg/L	9.900 NTU	-87.7 mV	18.86 ft	200.0 ml/min

8/8/2025 3:25 PM	01:05:00	7.303 pH	19.10 °C	486.8 µS/cm	0.697 mg/L	7.100 NTU	-107.3 mV	18.86 ft	200.0 ml/min
8/8/2025 3:30 PM	01:10:00	7.302 pH	18.97 °C	488.5 µS/cm	0.675 mg/L	7.770 NTU	-108.4 mV	18.86 ft	200.0 ml/min
8/8/2025 3:35 PM	01:15:00	7.307 pH	19.19 °C	482.5 µS/cm	0.570 mg/L	5.210 NTU	-109.5 mV	18.86 ft	200.0 ml/min
8/8/2025 3:40 PM	01:20:00	7.296 pH	19.84 °C	487.7 µS/cm	0.672 mg/L	5.470 NTU	-91.6 mV	18.86 ft	200.0 ml/min
8/8/2025 3:41 PM	01:21:34	7.297 pH	20.96 °C	477.5 µS/cm	0.553 mg/L	--	-93.0 mV	18.86 ft	200.0 ml/min
8/8/2025 3:46 PM	01:26:34	7.296 pH	19.68 °C	491.9 µS/cm	0.469 mg/L	7.270 NTU	-109.9 mV	18.86 ft	200.0 ml/min
8/8/2025 3:51 PM	01:31:34	7.295 pH	19.80 °C	492.6 µS/cm	0.584 mg/L	4.550 NTU	-109.9 mV	18.86 ft	200.0 ml/min
8/8/2025 3:56 PM	01:36:34	7.290 pH	19.68 °C	496.9 µS/cm	0.756 mg/L	3.970 NTU	-109.1 mV	18.86 ft	200.0 ml/min
8/8/2025 4:01 PM	01:41:34	7.291 pH	19.71 °C	498.2 µS/cm	0.670 mg/L	3.520 NTU	-109.0 mV	18.86 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-MW-21D	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/8/2025 2:10:44 PM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: MW-33 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 27.72 ft** **Total Depth: 37.72 ft** **Initial Depth to Water: 25.75 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 32.72 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.09 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Clear, 80 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/8/2025 2:10 PM	00:00	4.975 pH	24.41 °C	1,542 µS/cm	2.329 mg/L	6.430 NTU	176.0 mV	25.75 ft	200.0 ml/min
8/8/2025 2:15 PM	05:00	4.746 pH	23.21 °C	1,546 µS/cm	0.765 mg/L	4.020 NTU	205.6 mV	25.79 ft	200.0 ml/min
8/8/2025 2:20 PM	10:00	4.702 pH	23.02 °C	1,653 µS/cm	0.329 mg/L	3.690 NTU	284.2 mV	25.84 ft	200.0 ml/min
8/8/2025 2:25 PM	15:00	4.699 pH	22.43 °C	1,617 µS/cm	0.249 mg/L	2.870 NTU	227.8 mV	25.84 ft	200.0 ml/min
8/8/2025 2:30 PM	20:00	4.700 pH	22.36 °C	1,621 µS/cm	0.224 mg/L	1.390 NTU	230.7 mV	25.84 ft	200.0 ml/min
8/8/2025 2:35 PM	25:00	4.696 pH	22.94 °C	1,615 µS/cm	0.209 mg/L	0.630 NTU	233.7 mV	25.84 ft	200.0 ml/min
8/8/2025 2:40 PM	30:00	4.697 pH	22.68 °C	1,613 µS/cm	0.203 mg/L	0.550 NTU	238.3 mV	25.84 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-MW-33	Grab.
HAM-AP2-FD-01	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/8/2025 3:02:29 PM
Project: GP-Plant Hammond
Operator Name: J. Newsome

Location Name: MW-34D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 63.68 ft** **Total Depth: 73.68 ft** **Initial Depth to Water: 30.57 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 68.68 ft** **Estimated Total Volume Pumped: 11 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965586**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Sunny, 90 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/8/2025 3:02 PM	00:00	6.66 pH	21.37 °C	1,707.5 µS/cm	1.46 mg/L	66.90 NTU	112.7 mV	30.57 ft	200.00 ml/min
8/8/2025 3:07 PM	05:00	6.77 pH	20.97 °C	1,731.6 µS/cm	1.57 mg/L	65.70 NTU	115.0 mV	30.57 ft	200.00 ml/min
8/8/2025 3:12 PM	10:00	6.83 pH	21.10 °C	1,740.7 µS/cm	1.25 mg/L	45.10 NTU	114.4 mV	30.57 ft	200.00 ml/min
8/8/2025 3:17 PM	15:00	6.88 pH	20.95 °C	1,761.4 µS/cm	0.87 mg/L	30.60 NTU	112.1 mV	30.57 ft	200.00 ml/min
8/8/2025 3:22 PM	20:00	6.91 pH	20.71 °C	1,765.2 µS/cm	0.64 mg/L	15.20 NTU	112.1 mV	30.57 ft	200.00 ml/min
8/8/2025 3:27 PM	25:00	6.93 pH	20.58 °C	1,775.2 µS/cm	0.62 mg/L	11.60 NTU	113.6 mV	30.57 ft	200.00 ml/min
8/8/2025 3:32 PM	30:00	6.94 pH	20.53 °C	1,782.5 µS/cm	0.50 mg/L	10.37 NTU	113.7 mV	30.57 ft	200.00 ml/min
8/8/2025 3:37 PM	35:00	6.95 pH	20.69 °C	1,788.6 µS/cm	0.58 mg/L	11.89 NTU	112.2 mV	30.57 ft	200.00 ml/min
8/8/2025 3:42 PM	40:00	6.96 pH	20.76 °C	1,779.4 µS/cm	0.56 mg/L	12.54 NTU	112.1 mV	30.57 ft	200.00 ml/min
8/8/2025 3:47 PM	45:00	6.96 pH	20.77 °C	1,801.0 µS/cm	0.56 mg/L	9.76 NTU	113.1 mV	30.57 ft	200.00 ml/min
8/8/2025 3:52 PM	50:00	6.98 pH	20.74 °C	1,826.6 µS/cm	0.51 mg/L	7.72 NTU	114.1 mV	30.57 ft	200.00 ml/min
8/8/2025 3:57 PM	55:00	6.98 pH	20.77 °C	1,854.1 µS/cm	0.51 mg/L	4.87 NTU	114.7 mV	30.57 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-MW-34D	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/8/2025 9:24:57 AM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: MW-35 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 13.52 ft** **Total Depth: 23.52 ft** **Initial Depth to Water: 9.32 ft**	**Pump Type: Bladder** **Tubing Type: Poly** **Pump Intake From TOC: 18.52 ft** **Estimated Total Volume Pumped: 13 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 2.81 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Six bottles: Full App. III & IV.

Weather Conditions:
Clear, 75 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/8/2025 9:24 AM	00:00	6.991 pH	20.26 °C	709.8 µS/cm	0.508 mg/L	11.90 NTU	71.3 mV	9.320 ft	200.0 ml/min
8/8/2025 9:29 AM	05:00	6.735 pH	19.33 °C	953.4 µS/cm	0.304 mg/L	5.960 NTU	75.1 mV	11.04 ft	200.0 ml/min
8/8/2025 9:34 AM	10:00	6.463 pH	19.01 °C	1,236 µS/cm	0.211 mg/L	2.970 NTU	86.5 mV	11.31 ft	200.0 ml/min
8/8/2025 9:39 AM	15:00	6.313 pH	18.97 °C	1,405 µS/cm	0.150 mg/L	2.140 NTU	95.9 mV	11.58 ft	200.0 ml/min
8/8/2025 9:44 AM	20:00	6.205 pH	18.89 °C	1,501 µS/cm	0.120 mg/L	1.500 NTU	103.0 mV	11.73 ft	200.0 ml/min
8/8/2025 9:49 AM	25:00	6.136 pH	18.70 °C	1,553 µS/cm	0.106 mg/L	0.980 NTU	107.1 mV	11.89 ft	200.0 ml/min
8/8/2025 9:54 AM	30:00	6.095 pH	18.66 °C	1,582 µS/cm	0.096 mg/L	0.440 NTU	109.5 mV	12.02 ft	200.0 ml/min
8/8/2025 9:59 AM	35:00	6.073 pH	18.70 °C	1,609 µS/cm	0.092 mg/L	0.380 NTU	110.7 mV	12.08 ft	200.0 ml/min
8/8/2025 10:04 AM	40:00	6.008 pH	18.66 °C	1,661 µS/cm	0.080 mg/L	0.250 NTU	113.8 mV	12.11 ft	200.0 ml/min
8/8/2025 10:09 AM	45:00	5.950 pH	18.66 °C	1,702 µS/cm	0.066 mg/L	0.960 NTU	116.8 mV	12.11 ft	200.0 ml/min
8/8/2025 10:14 AM	50:00	5.931 pH	18.70 °C	1,724 µS/cm	0.061 mg/L	0.580 NTU	118.0 mV	12.13 ft	200.0 ml/min
8/8/2025 10:19 AM	55:00	5.936 pH	18.70 °C	1,738 µS/cm	0.060 mg/L	0.130 NTU	118.9 mV	12.13 ft	200.0 ml/min
8/8/2025 10:24 AM	01:00:00	5.914 pH	18.75 °C	1,757 µS/cm	0.059 mg/L	0.510 NTU	120.5 mV	12.13 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-MW-35	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/8/2025 11:21:38 AM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: MW-51 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 18.9 ft** **Total Depth: 28.9 ft** **Initial Depth to Water: 9.6 ft**	**Pump Type: Peristaltic** **Tubing Type: Poly** **Pump Intake From TOC: 23.9 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 1.3 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Six bottles: Full App. III & IV

Weather Conditions:
Clear, 80 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/8/2025 11:21 AM	00:00	5.971 pH	20.55 °C	1,688 µS/cm	0.938 mg/L	1.020 NTU	111.2 mV	9.600 ft	200.0 ml/min
8/8/2025 11:26 AM	05:00	5.959 pH	18.79 °C	1,722 µS/cm	0.324 mg/L	2.660 NTU	159.9 mV	10.62 ft	200.0 ml/min
8/8/2025 11:31 AM	10:00	5.949 pH	18.56 °C	1,721 µS/cm	0.187 mg/L	3.210 NTU	124.5 mV	10.70 ft	200.0 ml/min
8/8/2025 11:36 AM	15:00	5.948 pH	18.59 °C	1,711 µS/cm	0.117 mg/L	0.950 NTU	123.9 mV	10.76 ft	200.0 ml/min
8/8/2025 11:41 AM	20:00	5.939 pH	18.52 °C	1,707 µS/cm	0.103 mg/L	0.450 NTU	123.9 mV	10.83 ft	200.0 ml/min
8/8/2025 11:46 AM	25:00	5.943 pH	18.34 °C	1,711 µS/cm	0.089 mg/L	0.570 NTU	121.8 mV	10.87 ft	200.0 ml/min
8/8/2025 11:51 AM	30:00	5.948 pH	18.37 °C	1,713 µS/cm	0.084 mg/L	0.540 NTU	120.9 mV	10.90 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-MW-51	Grab.

Plant Hammond AP-2 Surface Water Samples 08/04/2025

Sample ID	Time	Sample Depth	Total Depth	Temp (°C)	pH	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Conductance (mS/cm)	Coordinates
HAM-AP2-Up	1154	Surface	N/A	17.0	7.55	42.1	7.69	4.9	0.3104	34.252514, -85.353819
HAM-AP2-Mid	1137	Surface	N/A	17.5	7.57	35.4	8.80	10.6	0.3137	34.251308, -85.354189
HAM-AP2-Down	0954	Surface	N/A	24.9	7.56	122.7	5.89	37.9	0.2050	34.249366, -85.354189
HAM-H+0.35	1002	Surface	< 10 ft	25.2	7.54	121.3	5.78	43.3	0.1969	34.249103, -85.351854
HAM-H+0.75	0946	Surface	< 10 ft	25.3	7.55	108.7	6.21	48.9	0.2001	34.248819, -85.356505

Plant Hammond AP-1/AP-2 Surface Water Samples 08/04/2025

Sample ID	Time	Sample Depth	Total Depth	Temp (°C)	pH	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Conductance (mS/cm)	Coordinates
HAM-H+0.25	1008	Surface	< 10 ft	25.2	7.53	121.6	6.33	44.7	0.1965	34.249261, -85.350334

CORRECTIVE ACTION PIEZOMETER SAMPLING (AUGUST 2025)

Low-Flow Test Report:

Test Date / Time: 8/12/2025 8:30:41 AM
Project: GP-Plant Hammond
Operator Name: A. Tomlinson

Location Name: MW-55 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 16.2 ft** **Total Depth: 26.2 ft** **Initial Depth to Water: 17.28 ft**	**Pump Type: Peristaltic** **Tubing Type: Poly** **Pump Intake From TOC: 21.2 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.99 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843593**

Test Notes:
Three bottles: Metals & Alkalinity.

Weather Conditions:
Overcast, 75 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 5	
8/12/2025 8:30 AM	00:00	6.325 pH	22.09 °C	1,388 µS/cm	1.429 mg/L	2.080 NTU	73.0 mV	17.93 ft	200.0 ml/min
8/12/2025 8:35 AM	05:00	6.303 pH	20.21 °C	1,425 µS/cm	1.626 mg/L	1.480 NTU	82.9 mV	18.05 ft	200.0 ml/min
8/12/2025 8:40 AM	10:00	6.298 pH	20.80 °C	1,387 µS/cm	1.689 mg/L	1.200 NTU	83.7 mV	18.14 ft	200.0 ml/min
8/12/2025 8:45 AM	15:00	6.303 pH	20.77 °C	1,363 µS/cm	1.892 mg/L	1.990 NTU	91.0 mV	18.20 ft	200.0 ml/min
8/12/2025 8:50 AM	20:00	6.292 pH	20.75 °C	1,338 µS/cm	1.990 mg/L	1.650 NTU	91.6 mV	18.24 ft	200.0 ml/min
8/12/2025 8:55 AM	25:00	6.291 pH	20.88 °C	1,326 µS/cm	1.866 mg/L	1.240 NTU	88.5 mV	18.25 ft	200.0 ml/min
8/12/2025 9:00 AM	30:00	6.295 pH	20.69 °C	1,331 µS/cm	1.894 mg/L	1.050 NTU	90.1 mV	18.27 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-MW-55	Grab.

Low-Flow Test Report:

Test Date / Time: 8/11/2025 3:26:20 PM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: MW-56 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 14.17 ft** **Total Depth: 24.17 ft** **Initial Depth to Water: 8.74 ft**	**Pump Type: Peristaltic** **Tubing Type: Poly** **Pump Intake From TOC: 19.17 ft** **Estimated Total Volume Pumped: 9 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.02 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Three bottles: Metals & Alkalinity.

Weather Conditions:
Cloudy, 80 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/11/2025 3:26 PM	00:00	5.002 pH	21.15 °C	1,430 µS/cm	0.305 mg/L	0.050 NTU	205.9 mV	8.740 ft	200.0 ml/min
8/11/2025 3:31 PM	05:00	4.935 pH	20.43 °C	1,452 µS/cm	0.080 mg/L	0.150 NTU	407.6 mV	8.750 ft	200.0 ml/min
8/11/2025 3:36 PM	10:00	4.920 pH	20.13 °C	1,461 µS/cm	0.060 mg/L	0.060 NTU	327.3 mV	8.760 ft	200.0 ml/min
8/11/2025 3:41 PM	15:00	4.933 pH	20.08 °C	1,458 µS/cm	0.053 mg/L	0.030 NTU	347.1 mV	8.760 ft	200.0 ml/min
8/11/2025 3:46 PM	20:00	4.903 pH	20.12 °C	1,461 µS/cm	0.052 mg/L	0.400 NTU	358.0 mV	8.760 ft	200.0 ml/min
8/11/2025 3:51 PM	25:00	4.930 pH	20.14 °C	1,460 µS/cm	0.052 mg/L	0.830 NTU	370.1 mV	8.760 ft	200.0 ml/min
8/11/2025 3:56 PM	30:00	4.921 pH	20.14 °C	1,467 µS/cm	0.050 mg/L	0.570 NTU	522.6 mV	8.760 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-MW-56	Grab.

Low-Flow Test Report:

Test Date / Time: 8/11/2025 2:07:17 PM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: MW-57 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 14.18 ft** **Total Depth: 24.18 ft** **Initial Depth to Water: 9.55 ft**	**Pump Type: Peristaltic** **Tubing Type: Poly** **Pump Intake From TOC: 19.18 ft** **Estimated Total Volume Pumped: 14 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Three bottles: Metals & Alkalinity.

Weather Conditions:
Cloudy, 80 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/11/2025 2:07 PM	00:00	4.491 pH	20.60 °C	840.0 µS/cm	0.263 mg/L	0.490 NTU	150.8 mV	9.550 ft	200.0 ml/min
8/11/2025 2:12 PM	05:00	4.499 pH	20.23 °C	889.8 µS/cm	0.137 mg/L	0.030 NTU	210.4 mV	9.550 ft	200.0 ml/min
8/11/2025 2:17 PM	10:00	4.545 pH	20.00 °C	911.1 µS/cm	0.096 mg/L	0.190 NTU	164.7 mV	9.550 ft	200.0 ml/min
8/11/2025 2:22 PM	15:00	4.720 pH	19.94 °C	931.0 µS/cm	0.082 mg/L	0.130 NTU	164.7 mV	9.550 ft	200.0 ml/min
8/11/2025 2:27 PM	20:00	4.952 pH	19.97 °C	959.9 µS/cm	0.079 mg/L	1.000 NTU	163.6 mV	9.550 ft	200.0 ml/min
8/11/2025 2:32 PM	25:00	5.321 pH	19.63 °C	993.0 µS/cm	0.090 mg/L	0.340 NTU	159.8 mV	9.550 ft	200.0 ml/min
8/11/2025 2:37 PM	30:00	5.480 pH	19.95 °C	1,024 µS/cm	0.079 mg/L	0.670 NTU	159.4 mV	9.550 ft	200.0 ml/min
8/11/2025 2:42 PM	35:00	5.644 pH	19.90 °C	1,047 µS/cm	0.179 mg/L	0.490 NTU	160.3 mV	9.550 ft	200.0 ml/min
8/11/2025 2:47 PM	40:00	5.719 pH	19.68 °C	1,070 µS/cm	0.209 mg/L	0.840 NTU	221.2 mV	9.550 ft	200.0 ml/min
8/11/2025 2:52 PM	45:00	5.795 pH	19.86 °C	1,086 µS/cm	0.087 mg/L	0.400 NTU	166.1 mV	9.550 ft	200.0 ml/min
8/11/2025 2:57 PM	50:00	5.825 pH	19.68 °C	1,096 µS/cm	0.069 mg/L	0.360 NTU	170.0 mV	9.550 ft	200.0 ml/min
8/11/2025 3:02 PM	55:00	5.868 pH	19.48 °C	1,099 µS/cm	0.055 mg/L	1.290 NTU	172.3 mV	9.550 ft	200.0 ml/min
8/11/2025 3:07 PM	01:00:00	5.890 pH	19.68 °C	1,115 µS/cm	0.054 mg/L	0.500 NTU	235.6 mV	9.550 ft	200.0 ml/min

8/11/2025 3:12 PM	01:05:00	5.918 pH	19.49 °C	1,122 µS/cm	0.052 mg/L	0.410 NTU	171.5 mV	9.550 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-MW-57	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/11/2025 4:18:43 PM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: MW-58 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 16.81 ft** **Total Depth: 26.81 ft** **Initial Depth to Water: 10.46 ft**	**Pump Type: Peristaltic** **Tubing Type: Poly** **Pump Intake From TOC: 21.81 ft** **Estimated Total Volume Pumped: 8 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.54 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Three bottles: Metals & Alkalinity.

Weather Conditions:
Cloudy, 80 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/11/2025 4:18 PM	00:00	5.733 pH	21.31 °C	832.7 µS/cm	0.198 mg/L	0.470 NTU	233.7 mV	10.46 ft	200.0 ml/min
8/11/2025 4:23 PM	05:00	5.746 pH	20.59 °C	887.1 µS/cm	0.122 mg/L	0.270 NTU	216.4 mV	10.99 ft	200.0 ml/min
8/11/2025 4:28 PM	10:00	5.777 pH	20.23 °C	906.4 µS/cm	0.105 mg/L	0.220 NTU	205.5 mV	11.00 ft	200.0 ml/min
8/11/2025 4:33 PM	15:00	5.793 pH	20.21 °C	899.5 µS/cm	0.092 mg/L	0.310 NTU	198.0 mV	11.00 ft	200.0 ml/min
8/11/2025 4:38 PM	20:00	5.807 pH	20.07 °C	917.0 µS/cm	0.106 mg/L	0.460 NTU	190.6 mV	11.00 ft	200.0 ml/min
8/11/2025 4:43 PM	25:00	5.818 pH	19.98 °C	906.9 µS/cm	0.097 mg/L	0.950 NTU	183.7 mV	11.00 ft	200.0 ml/min
8/11/2025 4:48 PM	30:00	5.834 pH	19.85 °C	903.5 µS/cm	0.098 mg/L	0.170 NTU	180.4 mV	11.00 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-MW-58	Grab.

Low-Flow Test Report:

Test Date / Time: 8/12/2025 8:38:13 AM
Project: GP-Plant Hammond
Operator Name: J. Newsome

Location Name: MW-59 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.48 ft** **Total Depth: 42.48 ft** **Initial Depth to Water: 26.22 ft**	**Pump Type: Peristaltic** **Tubing Type: Poly** **Pump Intake From TOC: 37.48 ft** **Estimated Total Volume Pumped: 6 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.96 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965586**

Test Notes:
Three bottles: Metals & Alkalinity.

Weather Conditions:
Cloudy, 80 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/12/2025 8:38 AM	00:00	4.25 pH	22.08 °C	1,996.9 µS/cm	2.11 mg/L	3.88 NTU	221.7 mV	27.18 ft	200.00 ml/min
8/12/2025 8:43 AM	05:00	4.20 pH	22.10 °C	1,911.3 µS/cm	2.01 mg/L	3.17 NTU	227.0 mV	27.18 ft	200.00 ml/min
8/12/2025 8:48 AM	10:00	4.18 pH	22.11 °C	1,932.1 µS/cm	1.96 mg/L	3.05 NTU	222.9 mV	27.18 ft	200.00 ml/min
8/12/2025 8:53 AM	15:00	4.17 pH	22.44 °C	1,927.2 µS/cm	1.76 mg/L	3.18 NTU	224.0 mV	27.18 ft	200.00 ml/min
8/12/2025 8:58 AM	20:00	4.16 pH	22.38 °C	1,926.4 µS/cm	1.77 mg/L	2.85 NTU	224.4 mV	27.18 ft	200.00 ml/min
8/12/2025 9:03 AM	25:00	4.16 pH	22.26 °C	1,926.5 µS/cm	1.80 mg/L	2.89 NTU	224.4 mV	27.18 ft	200.00 ml/min
8/12/2025 9:08 AM	30:00	4.15 pH	22.71 °C	1,929.6 µS/cm	1.71 mg/L	2.47 NTU	225.3 mV	27.18 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-MW-59	Grab.
HAM-AP2-FD-02	Grab.

Low-Flow Test Report:

Test Date / Time: 8/11/2025 12:57:27 PM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: PT-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 10.3 ft** **Total Depth: 20.3 ft** **Initial Depth to Water: 9.21 ft**	**Pump Type: Peristaltic** **Tubing Type: Poly** **Pump Intake From TOC: 15.3 ft** **Estimated Total Volume Pumped: 10 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 3.81 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Three bottles: Metals & Alkalinity.

Weather Conditions:
Rain, 75 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/11/2025 12:57 PM	00:00	7.735 pH	23.62 °C	221.4 µS/cm	1.822 mg/L	0.520 NTU	95.8 mV	9.210 ft	200.0 ml/min
8/11/2025 1:02 PM	05:00	6.954 pH	20.93 °C	229.1 µS/cm	0.628 mg/L	1.250 NTU	116.8 mV	10.72 ft	200.0 ml/min
8/11/2025 1:07 PM	10:00	6.631 pH	20.64 °C	258.1 µS/cm	0.778 mg/L	0.230 NTU	95.7 mV	11.67 ft	200.0 ml/min
8/11/2025 1:12 PM	15:00	6.490 pH	20.19 °C	279.5 µS/cm	0.464 mg/L	0.360 NTU	90.8 mV	12.92 ft	200.0 ml/min
8/11/2025 1:17 PM	20:00	6.369 pH	19.86 °C	306.1 µS/cm	0.293 mg/L	0.700 NTU	80.3 mV	13.02 ft	200.0 ml/min
8/11/2025 1:22 PM	25:00	6.314 pH	19.76 °C	314.9 µS/cm	0.059 mg/L	0.620 NTU	79.3 mV	13.02 ft	200.0 ml/min
8/11/2025 1:27 PM	30:00	6.316 pH	19.81 °C	314.3 µS/cm	0.050 mg/L	0.280 NTU	77.8 mV	13.02 ft	200.0 ml/min
8/11/2025 1:32 PM	35:00	6.326 pH	19.81 °C	316.0 µS/cm	0.038 mg/L	0.750 NTU	76.7 mV	13.02 ft	200.0 ml/min
8/11/2025 1:37 PM	40:00	6.305 pH	19.93 °C	316.8 µS/cm	0.049 mg/L	0.640 NTU	75.9 mV	13.02 ft	200.0 ml/min
8/11/2025 1:42 PM	45:00	6.310 pH	19.81 °C	322.1 µS/cm	0.035 mg/L	0.610 NTU	74.3 mV	13.02 ft	200.0 ml/min

Samples

Sample ID:	Description:

HAM-PT-01	Grab.

Low-Flow Test Report:

Test Date / Time: 8/11/2025 10:18:21 AM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: PT-02 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 10.3 ft** **Total Depth: 20.3 ft** **Initial Depth to Water: 9.21 ft**	**Pump Type: Peristaltic** **Tubing Type: Poly** **Pump Intake From TOC: 15.3 ft** **Estimated Total Volume Pumped: 17 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 2.65 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Three bottles: Metals & Alkalinity.

Weather Conditions:
Overcast, 75 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/11/2025 10:18 AM	00:00	5.969 pH	23.95 °C	444.7 µS/cm	2.736 mg/L	0.410 NTU	129.3 mV	9.210 ft	200.0 ml/min
8/11/2025 10:23 AM	05:00	6.209 pH	21.19 °C	465.5 µS/cm	1.280 mg/L	0.650 NTU	147.1 mV	10.98 ft	200.0 ml/min
8/11/2025 10:28 AM	10:00	6.228 pH	21.51 °C	542.0 µS/cm	5.049 mg/L	1.280 NTU	208.0 mV	11.81 ft	200.0 ml/min
8/11/2025 10:33 AM	15:09	6.241 pH	21.64 °C	591.7 µS/cm	5.320 mg/L	0.590 NTU	196.0 mV	11.86 ft	200.0 ml/min
8/11/2025 10:38 AM	20:09	6.206 pH	21.59 °C	643.2 µS/cm	5.536 mg/L	0.050 NTU	134.2 mV	11.86 ft	200.0 ml/min
8/11/2025 10:43 AM	25:09	6.174 pH	21.55 °C	668.3 µS/cm	5.458 mg/L	0.310 NTU	132.3 mV	11.86 ft	200.0 ml/min
8/11/2025 10:48 AM	30:09	6.172 pH	21.45 °C	682.9 µS/cm	5.515 mg/L	0.970 NTU	130.9 mV	11.86 ft	200.0 ml/min
8/11/2025 10:53 AM	35:09	6.162 pH	21.32 °C	725.6 µS/cm	5.477 mg/L	0.510 NTU	139.4 mV	11.86 ft	200.0 ml/min
8/11/2025 10:58 AM	40:09	6.170 pH	21.28 °C	748.8 µS/cm	5.516 mg/L	0.080 NTU	137.2 mV	11.86 ft	200.0 ml/min
8/11/2025 11:03 AM	45:09	6.169 pH	21.35 °C	755.5 µS/cm	5.496 mg/L	0.040 NTU	133.9 mV	11.86 ft	200.0 ml/min
8/11/2025 11:08 AM	50:09	6.176 pH	21.37 °C	777.6 µS/cm	5.537 mg/L	0.340 NTU	129.0 mV	11.86 ft	200.0 ml/min
8/11/2025 11:13 AM	55:09	6.199 pH	21.47 °C	807.6 µS/cm	5.546 mg/L	0.050 NTU	125.3 mV	11.86 ft	200.0 ml/min
8/11/2025 11:18 AM	01:00:09	6.239 pH	21.67 °C	838.3 µS/cm	5.607 mg/L	0.100 NTU	121.9 mV	11.86 ft	200.0 ml/min

8/11/2025 11:23 AM	01:05:09	6.259 pH	21.63 °C	859.8 µS/cm	5.616 mg/L	0.450 NTU	119.6 mV	11.86 ft	200.0 ml/min
8/11/2025 11:28 AM	01:10:09	6.263 pH	21.66 °C	876.6 µS/cm	5.534 mg/L	1.080 NTU	119.0 mV	11.86 ft	200.0 ml/min
8/11/2025 11:33 AM	01:15:09	6.272 pH	21.66 °C	897.9 µS/cm	5.486 mg/L	0.170 NTU	139.4 mV	11.86 ft	200.0 ml/min
8/11/2025 11:38 AM	01:20:09	6.275 pH	21.73 °C	922.5 µS/cm	5.398 mg/L	0.580 NTU	114.7 mV	11.86 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-PT-02	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/11/2025 9:14:31 AM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: PT-03 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 12.3 ft** **Total Depth: 22.3 ft** **Initial Depth to Water: 9.29 ft**	**Pump Type: Peristaltic** **Tubing Type: Poly** **Pump Intake From TOC: 17.3 ft** **Estimated Total Volume Pumped: 8 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.22 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Three bottles: Metals & Alkalinity.

Weather Conditions:
Overcast, 75 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/11/2025 9:14 AM	00:00	6.264 pH	23.62 °C	867.2 µS/cm	2.017 mg/L	7.260 NTU	129.2 mV	9.290 ft	200.0 ml/min
8/11/2025 9:19 AM	05:00	5.269 pH	20.46 °C	1,044 µS/cm	0.239 mg/L	1.830 NTU	128.9 mV	9.470 ft	200.0 ml/min
8/11/2025 9:24 AM	10:00	5.120 pH	20.18 °C	1,090 µS/cm	0.158 mg/L	1.440 NTU	135.4 mV	9.500 ft	200.0 ml/min
8/11/2025 9:29 AM	15:00	5.056 pH	20.08 °C	1,110 µS/cm	0.118 mg/L	0.550 NTU	140.7 mV	9.510 ft	200.0 ml/min
8/11/2025 9:34 AM	20:00	5.016 pH	20.03 °C	1,114 µS/cm	0.092 mg/L	0.520 NTU	144.7 mV	9.510 ft	200.0 ml/min
8/11/2025 9:39 AM	25:00	4.991 pH	19.98 °C	1,116 µS/cm	0.081 mg/L	0.430 NTU	148.9 mV	9.510 ft	200.0 ml/min
8/11/2025 9:44 AM	30:00	4.991 pH	19.92 °C	1,111 µS/cm	0.075 mg/L	0.250 NTU	152.9 mV	9.510 ft	200.0 ml/min
8/11/2025 9:49 AM	35:00	4.973 pH	19.94 °C	1,115 µS/cm	0.074 mg/L	0.510 NTU	156.3 mV	9.510 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-PT-03	Grab.

Low-Flow Test Report:

Test Date / Time: 8/12/2025 8:37:32 AM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: PT-04 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 23.87 ft** **Total Depth: 33.87 ft** **Initial Depth to Water: 14.63 ft**	**Pump Type: Peristaltic** **Tubing Type: Poly** **Pump Intake From TOC: 28.87 ft** **Estimated Total Volume Pumped: 14 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.03 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Three bottles: Metals & Alkalinity.

Weather Conditions:
Cloudy, 75 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/12/2025 8:37 AM	00:00	6.586 pH	23.75 °C	842.3 µS/cm	1.276 mg/L	1,000 NTU	-14.4 mV	14.63 ft	200.0 ml/min
8/12/2025 8:42 AM	05:00	6.645 pH	21.61 °C	1,073 µS/cm	0.317 mg/L	1,000 NTU	0.7 mV	14.65 ft	200.0 ml/min
8/12/2025 8:47 AM	10:00	6.658 pH	21.37 °C	1,081 µS/cm	0.236 mg/L	72.70 NTU	2.0 mV	14.65 ft	200.0 ml/min
8/12/2025 8:52 AM	15:00	6.658 pH	21.77 °C	1,083 µS/cm	0.199 mg/L	40.10 NTU	1.4 mV	14.66 ft	200.0 ml/min
8/12/2025 8:57 AM	20:00	6.663 pH	21.74 °C	1,089 µS/cm	0.174 mg/L	28.60 NTU	2.7 mV	14.66 ft	200.0 ml/min
8/12/2025 9:02 AM	25:00	6.665 pH	21.55 °C	1,096 µS/cm	0.159 mg/L	22.90 NTU	3.3 mV	14.66 ft	200.0 ml/min
8/12/2025 9:07 AM	30:00	6.668 pH	21.55 °C	1,084 µS/cm	0.141 mg/L	20.30 NTU	3.9 mV	14.66 ft	200.0 ml/min
8/12/2025 9:12 AM	35:00	6.666 pH	21.71 °C	1,088 µS/cm	0.136 mg/L	16.00 NTU	3.6 mV	14.66 ft	200.0 ml/min
8/12/2025 9:17 AM	40:00	6.673 pH	21.24 °C	1,087 µS/cm	0.120 mg/L	13.20 NTU	5.4 mV	14.66 ft	200.0 ml/min
8/12/2025 9:22 AM	45:00	6.681 pH	21.15 °C	1,086 µS/cm	0.108 mg/L	8.620 NTU	5.9 mV	14.66 ft	200.0 ml/min
8/12/2025 9:27 AM	50:00	6.676 pH	20.95 °C	1,100 µS/cm	0.103 mg/L	8.120 NTU	8.2 mV	14.66 ft	200.0 ml/min
8/12/2025 9:32 AM	55:00	6.679 pH	21.01 °C	1,075 µS/cm	0.095 mg/L	7.290 NTU	4.7 mV	14.66 ft	200.0 ml/min
8/12/2025 9:37 AM	01:00:00	6.680 pH	21.09 °C	1,080 µS/cm	0.093 mg/L	6.120 NTU	6.6 mV	14.66 ft	200.0 ml/min

8/12/2025 9:42 AM	01:05:00	6.670 pH	21.19 °C	1,086 µS/cm	0.091 mg/L	4.440 NTU	6.3 mV	14.66 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-PT-04	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/12/2025 10:24:29 AM
Project: GP-Plant Hammond
Operator Name: Z. Webb

Location Name: PT-05 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 25.11 ft** **Total Depth: 35.11 ft** **Initial Depth to Water: 14.95 ft**	**Pump Type: Peristaltic** **Tubing Type: Poly** **Pump Intake From TOC: 30.11 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.02 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989630**

Test Notes:
Three bottles: Metals & Alkalinity.

Weather Conditions:
Cloudy, 80 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/12/2025 10:24 AM	00:00	6.843 pH	24.91 °C	810.0 µS/cm	2.298 mg/L	2.320 NTU	43.9 mV	14.95 ft	200.0 ml/min
8/12/2025 10:29 AM	05:00	6.797 pH	21.10 °C	1,273 µS/cm	0.271 mg/L	1.850 NTU	28.7 mV	14.97 ft	200.0 ml/min
8/12/2025 10:34 AM	10:00	6.818 pH	20.72 °C	1,346 µS/cm	0.179 mg/L	1.160 NTU	27.5 mV	14.97 ft	200.0 ml/min
8/12/2025 10:39 AM	15:00	6.820 pH	20.88 °C	1,355 µS/cm	0.138 mg/L	1.010 NTU	26.3 mV	14.97 ft	200.0 ml/min
8/12/2025 10:44 AM	20:00	6.821 pH	20.79 °C	1,350 µS/cm	0.117 mg/L	0.500 NTU	26.5 mV	14.97 ft	200.0 ml/min
8/12/2025 10:49 AM	25:00	6.816 pH	20.81 °C	1,353 µS/cm	0.104 mg/L	0.280 NTU	26.4 mV	14.97 ft	200.0 ml/min
8/12/2025 10:54 AM	30:00	6.817 pH	20.91 °C	1,350 µS/cm	0.097 mg/L	0.610 NTU	27.8 mV	14.97 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-PT-05	Grab.
HAM-AP2-FD-03	Grab.

Low-Flow Test Report:

Test Date / Time: 8/12/2025 9:35:03 AM
Project: GP-Plant Hammond
Operator Name: A. Tomlinson

Location Name: PT-06 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 25.39 ft** **Total Depth: 35.39 ft** **Initial Depth to Water: 14.68 ft**	**Pump Type: Peristaltic** **Tubing Type: Poly** **Pump Intake From TOC: 30.39 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843593**

Test Notes:
Three bottles: Metals & Alkalinity.

Weather Conditions:
Overcast, 77 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 5	
8/12/2025 9:35 AM	00:00	6.631 pH	21.94 °C	1,250 µS/cm	0.956 mg/L	2.460 NTU	-6.7 mV	14.72 ft	200.0 ml/min
8/12/2025 9:40 AM	05:00	6.621 pH	19.99 °C	1,290 µS/cm	0.982 mg/L	6.700 NTU	-6.5 mV	14.72 ft	200.0 ml/min
8/12/2025 9:45 AM	10:00	6.621 pH	20.59 °C	1,270 µS/cm	0.932 mg/L	5.440 NTU	-2.1 mV	14.73 ft	200.0 ml/min
8/12/2025 9:50 AM	15:00	6.631 pH	19.94 °C	1,281 µS/cm	0.957 mg/L	5.230 NTU	-1.9 mV	14.73 ft	200.0 ml/min
8/12/2025 9:55 AM	20:00	6.628 pH	19.68 °C	1,287 µS/cm	0.930 mg/L	2.780 NTU	-5.8 mV	14.73 ft	200.0 ml/min
8/12/2025 10:00 AM	25:00	6.620 pH	20.22 °C	1,280 µS/cm	0.935 mg/L	4.160 NTU	-0.7 mV	14.73 ft	200.0 ml/min
8/12/2025 10:05 AM	30:00	6.625 pH	19.86 °C	1,289 µS/cm	0.940 mg/L	3.780 NTU	0.3 mV	14.73 ft	200.0 ml/min

Samples

Sample ID:	Description:
HAM-PT-06	Grab.

CALIBRATION REPORTS

February 2025

Site Name: GP-Plant Hammond **Field Instrumentation Calibration Form** Date: 2/12/2025

Calibrated By: A. Tomlinson Field Conditions: 48° F, rain

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aqua TROLL	850735
Turbidity Meter	LaMotte 2020e	1571-399

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	240109943	5/2025	YSI
pH (SU)	4.00	240109943	5/2025	
pH (SU)	7.00	24008587	6/2025	
pH (SU)	10.00	24004996	6/2025	
D.O. (%)	N/A	N/A	N/A	
ORP (mV)	228.0	240111792	6/2025	

Calibration					
Time Start 0800		Time Finish 0820			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4,490.0	10.36	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	10.46	± 0.1	GWMP
pH (SU)	7.00	7.00	10.69	± 0.1	GWMP
pH (SU)	10.00	10.00	10.59	± 0.1	GWMP
D.O. (%)	N/A	100%	11.20	± 10%	NA
ORP (mV)	228.0	228.0	10.59	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1.00		
	10	10.0		

Calibration Check					
Time Start 1250		Time Finish 1300			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4,490.0	14.10	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	14.20	± 0.1	GWMP
pH (SU)	7.00	7.00	13.86	± 0.1	GWMP
pH (SU)	10.00	10.00	13.49	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.00	± 10% of standard	EPA 2023
	1	1.00		
	10	10.00		

Notes:

21/12/2025

Field Instrumentation Calibration Form

Site Name: Plant Hammond

Date: 2/12/2025

Calibrated By: T. Kessler

Field Conditions: Rainy, 39°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In Situ	989630
Turbidity Meter	Hach	11359-26052

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	05/2025	In Situ
pH (SU)	4.00	24010913	05/2025	In Situ
pH (SU)	7.00	24005587	06/2025	In Situ
pH (SU)	10.00	24004986	06/2025	In Situ
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	24011782	06/2025	In Situ

Calibration					
Time Start 0753		Time Finish 0816			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	10.01	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	10.03	± 0.1	GWMP
pH (SU)	7.00	7.00	10.03	± 0.1	GWMP
pH (SU)	10.00	10.00	10.65	± 0.1	GWMP
D.O. (%)	N/A	100	11.74	± 10%	NA
ORP (mV)	228.0	228	10.82	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1.02		
	10	9.84		
	—	—		

Calibration Check					
Time Start 1200		Time Finish 1215			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4525.2	15.88	± 10% of standard	EPA 2023
pH (SU)	4.00	4.04	15.85	± 0.1	GWMP
pH (SU)	7.00	7.04	15.16	± 0.1	GWMP
pH (SU)	10.00	9.95	15.35	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1.05		
	10	9.95		
	—	—		

Notes:

Site Name: Plant Hammond

Calibrated By: Zain W.

Field Instrumentation Calibration Form

Date: 2-12-25

Field Conditions: Rain, 45°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 600	883530
Turbidity Meter	LaMotte 2020e	4121-2623

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	05/2025	AIR
pH (SU)	4.00	24010943	05/2025	AIR
pH (SU)	7.00	24008587	06/2025	AIR
pH (SU)	10.00	24004996	06/2025	AIR
D.O. (%)	N/A	—	—	AIR
ORP (mV)	228.0	24011792	06/2025	AIR

Calibration					
Time Start 0750		Time Finish 0815			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	10.83	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	10.85	± 0.1	GWMP
pH (SU)	7.00	7.00	11.74	± 0.1	GWMP
pH (SU)	10.00	10.00	12.07	± 0.1	GWMP
D.O. (%)	N/A	100.2	12.75	± 10%	NA
ORP (mV)	228.0	228.0	12.25	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	—	—		

Calibration Check					
Time Start 1500		Time Finish 1527			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	15.98	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	16.43	± 0.1	GWMP
pH (SU)	7.00	7.00	16.52	± 0.1	GWMP
pH (SU)	10.00	10.00	16.56	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	—	—		

Notes: Recalibrated ORP during midday

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 2-14-25

Calibrated By: Zain W.

Field Conditions: Clear, 45°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	883530
Turbidity Meter	LaMotte 2020e	4121-2623

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010945	05/2025	AIR
pH (SU)	4.00	24010945	05/2025	AIR
pH (SU)	7.00	24009587	06/2025	AIR
pH (SU)	10.00	24004996	06/2025	AIR
D.O. (%)	N/A	—	—	AIR
ORP (mV)	228.0	24011722	06/2025	AIR

Calibration					
Time Start 0709		Time Finish 0759			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	9.23	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	7.52	± 0.1	GWMP
pH (SU)	7.00	7.00	9.58	± 0.1	GWMP
pH (SU)	10.00	10.00	10.52	± 0.1	GWMP
D.O. (%)	N/A	100.7	12.52	± 10%	NA
ORP (mV)	228.0	228.0	15.72	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	—	—		

Calibration Check					
Time Start 1310		Time Finish 1330			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	18.08	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	18.10	± 0.1	GWMP
pH (SU)	7.00	7.00	19.46	± 0.1	GWMP
pH (SU)	10.00	10.05	17.37	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	—	—		

Notes:

ORP probe taking a long time to stabilize; reset factory settings on ORP probe; issue persisted

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 7/11/2025

Calibrated By: T. Kriessler

Field Conditions: clear, 78°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Ins.tu	989630
Turbidity Meter	Lamotte	4139-2623

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	5/2025	Ins.tu
pH (SU)	4.00	24010943	5/2025	Ins.tu
pH (SU)	7.00	24010585	6/2025	Ins.tu
pH (SU)	10.00	24010436	6/2025	Ins.tu
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	24011792	06/2025	Ins.tu

Calibration					
Time Start 0730		Time Finish 0800			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4410	3.56	± 10% of standard	EPA 2023
pH (SU)	4.00	4.0	3.67	± 0.1	GWMP
pH (SU)	7.00	7.0	3.71	± 0.1	GWMP
pH (SU)	10.00	10.0	5.36	± 0.1	GWMP
D.O. (%)	N/A	100	5.96	± 10%	NA
ORP (mV)	228.0	228	5.77	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1.01		
	10	10.00		
	—	—		

Calibration Check					
Time Start 1534		Time Finish 1535			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	20.05	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	20.05	± 0.1	GWMP
pH (SU)	7.00	6.97	16.79	± 0.1	GWMP
pH (SU)	10.00	9.97		± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1.02		
	10	9.93		

Notes:

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 2-16-25

Calibrated By: Zain W.

Field Conditions: Cloudy, 60°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTROLL	883530
Turbidity Meter	LaMotte 2020e	4121-2623

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	05/2025	ATR
pH (SU)	4.00	24010943	05/2025	
pH (SU)	7.00	24008587	10/2025	
pH (SU)	10.00	24004996	10/2025	
D.O. (%)	N/A	N/A	N/A	
ORP (mV)	228.0	24011122	10/2025	

Calibration					
Time Start 0725		Time Finish 0805			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	16.74	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	16.85	± 0.1	GWMP
pH (SU)	7.00	7.00	17.42	± 0.1	GWMP
pH (SU)	10.00	10.00	17.73	± 0.1	GWMP
D.O. (%)	N/A	100%	17.99	± 10%	NA
ORP (mV)	228.0	228.0	17.85	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	-	-		

Calibration Check					
Time Start 1220		Time Finish 1240			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	16.72	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	16.74	± 0.1	GWMP
pH (SU)	7.00	7.00	17.10	± 0.1	GWMP
pH (SU)	10.00	10.00	17.55	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	-	-		

Notes:

Site Name: GP Plant Hammond **Field Instrumentation Calibration Form** Date: 7/16/2025

Calibrated By: T. Kessler Field Conditions: Cloudy 57°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Insitu	989630
Turbidity Meter	Lamotte	4139-7603

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	05/2025	Insitu
pH (SU)	4.00	24010943	05/2025	Insitu
pH (SU)	7.00	24008587	06/2025	Insitu
pH (SU)	10.00	24008636	06/2025	Insitu
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	24011742	06/2025	Insitu

Calibration					
Time Start 0739		Time Finish 0803			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	15.93	± 10% of standard	EPA 2023
pH (SU)	4.00	4.0	16.00	± 0.1	GWMP
pH (SU)	7.00	7.0	16.15	± 0.1	GWMP
pH (SU)	10.00	10.0	16.21	± 0.1	GWMP
D.O. (%)	N/A	100	16.29	± 10%	NA
ORP (mV)	228.0	228.0	16.35	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	0.95		
	10	9.91		
	—	—		

Calibration Check					
Time Start 1440		Time Finish 1450			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4554.8	17.10	± 10% of standard	EPA 2023
pH (SU)	4.00	4.04	17.10	± 0.1	GWMP
pH (SU)	7.00	6.99	17.23	± 0.1	GWMP
pH (SU)	10.00	10.04	16.81	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1.00		
	10	10.2		
	—	—		

Notes:

Scanned with CamScanner

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 2-17-25

Calibrated By: Zain W.

Field Conditions: Clear, 40°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll	983536
Turbidity Meter	LaMotte 2020e	4121-2623

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	05/2025	AIR
pH (SU)	4.00	24010943	05/2025	AIR
pH (SU)	7.00	24008587	06/2025	AIR
pH (SU)	10.00	24004996	06/2025	AIR
D.O. (%)	N/A	–	–	AIR
ORP (mV)	228.0	24011722	06/2025	AIR

Calibration					
Time Start 0802		Time Finish 0848			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	9.67	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	9.71	± 0.1	GWMP
pH (SU)	7.00	7.00	10.77	± 0.1	GWMP
pH (SU)	10.00	10.00	11.44	± 0.1	GWMP
D.O. (%)	N/A	100%	15.77	± 10%	NA
ORP (mV)	228.0	228.0	12.34	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	–	–		

Calibration Check					
Time Start 1200		Time Finish 1222			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	15.25	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	15.58	± 0.1	GWMP
pH (SU)	7.00	7.00	15.31	± 0.1	GWMP
pH (SU)	10.00	10.00	16.20	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	–	–		

Notes:

ZW 2-17-25

Site Name: Plant Hammond

Calibrated By: Jacob Tracy

Field Instrumentation Calibration Form

Date: 02/17/25

Field Conditions: Sunny, 70's

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	in-situ	4896630
Turbidity Meter	LaMotte	9139-2623

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	05/25	AIR
pH (SU)	4.00	↓	↓	↓
pH (SU)	7.00	24008597	06/25	↓
pH (SU)	10.00	24004496	06/25	↓
D.O. (%)	N/A			
ORP (mV)	228.0	24011792	06/2025	↓

Calibration					
Time Start 09:00		Time Finish 9:25			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490.0	3.35	± 10% of standard	EPA 2023
pH (SU)	4.00	4.0	3.80	± 0.1	GWMP
pH (SU)	7.00	7.0	4.99	± 0.1	GWMP
pH (SU)	10.00	10.0	5.54	± 0.1	GWMP
D.O. (%)	N/A	100	7.28	± 10%	NA
ORP (mV)	228.0	228	6.15	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	0	0	± 10% of standard	EPA 2023
	10	10.8		

Calibration Check					
Time Start 1600		Time Finish 16:10			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4513.18	12.124	± 10% of standard	EPA 2023
pH (SU)	4.00	4.0	12.108	± 0.1	GWMP
pH (SU)	7.00	7.0	10.59	± 0.1	GWMP
pH (SU)	10.00	10.0	9.68	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	0	0	± 10% of standard	EPA 2023
	10	10.5 9.65		

Notes:

JNT

02/17/25

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 02/18/25

Calibrated By: JNT

Field Conditions: Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In Situ	989630
Turbidity Meter	Lamotte	4139-2623

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	2406943	05/25	AIR
pH (SU)	4.00	24008763	06/25	AIR
pH (SU)	7.00	24008587	06/25	AIR
pH (SU)	10.00	24004996	06/25	AIR
D.O. (%)	N/A	N/A	N/A	N/A
ORP (mV)	228.0	24011792	06/25	AIR

Calibration

Time Start: 07:35 Time Finish: 08:10

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	8.76	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	8.49	± 0.1	GWMP
pH (SU)	7.00	7.00	8.19	± 0.1	GWMP
pH (SU)	10.00	10.00	9.28	± 0.1	GWMP
D.O. (%)	N/A	100	9.69 8.84	± 10%	NA
ORP (mV)	228.0	228		± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	10	9.97		

Calibration Check

Time Start: Time Finish:

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

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

Notes:

NO mid-day calibration

only sampled 2 wells

JT 02/18/25

Scanned with CamScanner

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 2-18-25

Calibrated By: Zain W.

Field Conditions: Clear, 35°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	883530
Turbidity Meter	LaMotte 2020e	4121-2623

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	05/2025	AIR
pH (SU)	4.00	24010943	05/2025	AIR
pH (SU)	7.00	24008587	06/2025	AIR
pH (SU)	10.00	24004996	06/2025	AIR
D.O. (%)	N/A	—	—	AIR
ORP (mV)	228.0	24011722	06/2025	AIR

Calibration					
Time Start 0732		**Time Finish** 0820			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4490	7.56	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	8.27	± 0.1	GWMP
pH (SU)	7.00	7.00	10.18	± 0.1	GWMP
pH (SU)	10.00	10.00	11.16	± 0.1	GWMP
D.O. (%)	N/A	100%	14.86	± 10%	NA
ORP (mV)	228.0	228.0	11.94	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	—	—		

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

ZW 2-18-25

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

Notes:

No midday calibration. No Sample after noon.

ZW 2-18-25

Site Name: GP - Plant Hammond **Field Instrumentation Calibration Form** Date: 2/18/2025

Calibrated By: A. Tammsen Field Conditions: 30° F, clear

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll	850735
Turbidity Meter	LaMotte 2020e	1577-3019

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	5/2025	AMR
pH (SU)	4.00	24010943	5/2025	↓
pH (SU)	7.00	24008587	6/2025	
pH (SU)	10.00	24004904	6/2025	
D.O. (%)	N/A	N/A	N/A	
ORP (mV)	228.0	24011742	6/2025	

Calibration

Time Start 0725 Time Finish 0740

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4,490.0	4.04	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	4.63	± 0.1	GWMP
pH (SU)	7.00	7.00	5.36	± 0.1	GWMP
pH (SU)	10.00	10.00	5.95	± 0.1	GWMP
D.O. (%)	N/A	100.1	7.93	± 10%	NA
ORP (mV)	228.0	228.0	6.10	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.00	± 10% of standard	EPA 2023
	10	10.00		

Calibration Check

Time Start 1150 Time Finish 1202

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4,490.0	14.30 14.60	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	14.17	± 0.1	GWMP
pH (SU)	7.00	7.00	12.21	± 0.1	GWMP
pH (SU)	10.00	10.00	11.15	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.00	± 10% of standard	EPA 2023
	10	10.00		

Notes:

2/18/2025

Scanned with CamScanner

March 2025

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 3-6-25

Calibrated By: Zain W.

Field Conditions: Cloudy, 50°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1167968
Turbidity Meter	LaMotte, 2020t	4121-2023

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	01/2026	AIR
pH (SU)	4.00	24014218	01/2026	AIR
pH (SU)	7.00	24014266	01/2026	AIR
pH (SU)	10.00	24011537	01/2026	AIR
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	22490162	01/2026	AIR

Calibration					
Time Start 0716		**Time Finish** 0751			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4490	6.54	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	6.72	± 0.1	GWMP
pH (SU)	7.00	7.00	7.27	± 0.1	GWMP
pH (SU)	10.00	10.00	7.65	± 0.1	GWMP
D.O. (%)	N/A	100%	8.60	± 10%	NA
ORP (mV)	228.0	228.0	7.80	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	—	—		

Calibration Check					
Time Start 1151		**Time Finish** 1207			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4490	12.93	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	13.17	± 0.1	GWMP
pH (SU)	7.00	7.00	12.62	± 0.1	GWMP
pH (SU)	10.00	10.00	12.39	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	—	—		

Notes

ZW 3-6-25

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 8/5/2025

Calibrated By: T. Kressler

Field Conditions: Cloudy 69°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ	643593
Turbidity Meter	Lamotte	[illegible]

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	1126	In-Situ
pH (SU)	4.00	↓	↓	
pH (SU)	7.00	24014266	1126	In-Situ
pH (SU)	10.00	24011537	1126	In-Situ
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	22490167	1126	In-Situ

Calibration					
Time Start 0730		Time Finish 0800			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	21.91	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	21.94	± 0.1	GWMP
pH (SU)	7.00	7.00	22.00	± 0.1	GWMP
pH (SU)	10.00	10.00	22.00	± 0.1	GWMP
D.O. (%)	N/A	100	21.91	± 10%	NA
ORP (mV)	228.0	228	21.98	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.00	± 10% of standard	EPA 2023
	1	0.98		
	10	10.0		
	—	—		

Calibration Check					
Time Start 1247		Time Finish 1252			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	22.36	± 10% of standard	EPA 2023
pH (SU)	4.00	4.005	22.36	± 0.1	GWMP
pH (SU)	7.00	7.02	22.22	± 0.1	GWMP
pH (SU)	10.00	10.04	22.13	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1.00		
	10	10.2		
	—	—		

Notes:

8-5-25

Site Name: Plant Hammond

Calibrated By: Z. Webb

Field Instrumentation Calibration Form

Date: 8-5-25

Field Conditions: Cloudy, 70°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	987630
Turbidity Meter	LaMotte 2020e	4104-2623

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	01/2026	AIR
pH (SU)	4.00	24014218	01/2026	AIR
pH (SU)	7.00	24014266	01/2026	AIR
pH (SU)	10.00	24011537	01/2026	AIR
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	22490162	01/2026	AIR

Calibration					
Time Start 0730		Time Finish 0756			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	22.55	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	22.68	± 0.1	GWMP
pH (SU)	7.00	7.00	22.77	± 0.1	GWMP
pH (SU)	10.00	10.00	22.78	± 0.1	GWMP
D.O. (%)	N/A	100%	22.98	± 10%	NA
ORP (mV)	228.0	228.0	22.80	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	—	—		

Calibration Check					
Time Start 1250		Time Finish 1305			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	24.17	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	24.15	± 0.1	GWMP
pH (SU)	7.00	7.00	24.06	± 0.1	GWMP
pH (SU)	10.00	10.00	23.87	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	—	—		

Notes:

ZW 8-5-25

Site Name: GP Plant Hammond **Field Instrumentation Calibration Form** Date: 8/5/25

Calibrated By: J. Newsome Field Conditions: Overcast, 68°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatroll	96 5586
Turbidity Meter	LaMotte	1511-4111

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014 218	1/2026	YSI
pH (SU)	4.00	"	"	"
pH (SU)	7.00	24014266	"	"
pH (SU)	10.00	24011537	"	"
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	22401062	1/2024	YSI

Calibration					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4892	21.86	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	21.86	± 0.1	GWMP
pH (SU)	7.00	7.00	21.21	± 0.1	GWMP
pH (SU)	10.00	10.00	21.66	± 0.1	GWMP
D.O. (%)	N/A	101.70	21.30	± 10%	NA
ORP (mV)	228.0	228.0	21.77	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	9.98		

Calibration Check					
Time Start	1415	Time Finish	1420		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	21.71	± 10% of standard	EPA 2023
pH (SU)	4.00	4.07	21.71	± 0.1	GWMP
pH (SU)	7.00	7.01	20.97	± 0.1	GWMP
pH (SU)	10.00	10.00	22.82	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		

Notes:

JN 8-5-25

Site Name: GP - Hammond

Calibrated By: A. Tomlinson

Field Instrumentation Calibration Form

Date: 8/8/2025

Field Conditions: 69°F, Cloudy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aqua TROLL	843593
Turbidity Meter		4139 - 26023

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014215	01/2026	ATR
pH (SU)	4.00	24014218	01/2026	ATR
pH (SU)	7.00	24014216	01/2026	ATR
pH (SU)	10.00	24011537	01/2026	ATR
D.O. (%)	N/A			
ORP (mV)	228.0	22490102	01/2026	ATR

Calibration					
Time Start 0735		Time Finish 0750			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4,490	22.27	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	22.85	± 0.1	GWMP
pH (SU)	7.00	7.00	23.43	± 0.1	GWMP
pH (SU)	10.00	10.00	23.83	± 0.1	GWMP
D.O. (%)	N/A	100.1	22.35	± 10%	NA
ORP (mV)	228.0	228.0	23.85	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.00	± 10% of standard	EPA 2023
	1	1.00		
	10	10.00		

Calibration Check					
Time Start 1350		Time Finish 1358			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4290	27.07	± 10% of standard	EPA 2023
pH (SU)	4.00	7.02	27.25	± 0.1	GWMP
pH (SU)	7.00	6.99	26.28	± 0.1	GWMP
pH (SU)	10.00	9.93	25.66	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.00	± 10% of standard	EPA 2023
	1	1.00		
	10	10.00		

Notes:

8/8/2025

Site Name: Plant Hammond

Calibrated By: Z. Wells

Field Instrumentation Calibration Form

Date: 8-8-25

Field Conditions: Cloudy, 75°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	989630
Turbidity Meter	LaMotte 2020e	4104-2623

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	01/2026	AIR
pH (SU)	4.00	24014218	01/2026	AIR
pH (SU)	7.00	24014266	01/2026	AIR
pH (SU)	10.00	24011537	01/2026	AIR
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	22490162	01/2026	AIR

Calibration					
Time Start 0752		Time Finish 0759			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	25.10	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	25.19	± 0.1	GWMP
pH (SU)	7.00	7.00	25.69	± 0.1	GWMP
pH (SU)	10.00	10.00	25.86	± 0.1	GWMP
D.O. (%)	N/A	100%	24.49	± 10%	NA
ORP (mV)	228.0	228.0	25.82	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	—	—		

Calibration Check					
Time Start 1247		Time Finish 1259			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	26.05	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	26.33	± 0.1	GWMP
pH (SU)	7.00	7.00	26.25	± 0.1	GWMP
pH (SU)	10.00	10.00	26.02	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	—	—		

Notes:

ZW 8-8-25

Site Name: Sr Plant Hammond

Field Instrumentation Calibration Form

Date: 8/8/25

Calibrated By: J. Newsom

Field Conditions: Sunny, 70F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatroll	9K558K
Turbidity Meter		

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014718	1/2024	YSI
pH (SU)	4.00	"	"	
pH (SU)	7.00	24014264	"	
pH (SU)	10.00	24011537	"	
D.O. (%)	N/A			
ORP (mV)	228.0	24901162	1/2024	YSI

Calibration					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	23.52	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	23.56	± 0.1	GWMP
pH (SU)	7.00	7.00	24.19	± 0.1	GWMP
pH (SU)	10.00	10.00	24.61	± 0.1	GWMP
D.O. (%)	N/A	100%	23.26	± 10%	NA
ORP (mV)	228.0	228	24.50	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	28.97	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	29.31	± 0.1	GWMP
pH (SU)	7.00	7.01	27.14	± 0.1	GWMP
pH (SU)	10.00	10.18	28.17	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	16		

Notes:

8/8/25

CORRECTIVE ACTION PIEZOMETER SAMPLING (AUGUST 2025)

Site Name: LMP - Hammond

Calibrated By: A Tomlinson

Field Instrumentation Calibration Form

Date: 8/11/2025

Field Conditions: 70s, overcast

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll	845593
Turbidity Meter	LaMotte	4139-71022

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	01/2026	ATR
pH (SU)	4.00	24014218	01/2026	ATR
pH (SU)	7.00	24014200	01/2026	ATR
pH (SU)	10.00	24015371	01/2026	ATR
D.O. (%)	N/A			
ORP (mV)	228.0	22490162	01/2026	ATR

Calibration					
Time Start 0743		Time Finish 0755			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	23.88	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	24.00	± 0.1	GWMP
pH (SU)	7.00	7.00	24.14	± 0.1	GWMP
pH (SU)	10.00	10.00	24.24	± 0.1	GWMP
D.O. (%)	N/A	100%	24.15	± 10%	NA
ORP (mV)	228.0	228.0	24.33	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.00	± 10% of standard	EPA 2023
	1	1.00		
	10	10.00		
	—	—		

Calibration Check					
Time Start 1756		Time Finish 1306			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4395	25.38	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05	25.38	± 0.1	GWMP
pH (SU)	7.00	7.01	24.85	± 0.1	GWMP
pH (SU)	10.00	9.92	24.51	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.00	± 10% of standard	EPA 2023
	1	1.00		
	10	10.00		
	—	—		

Notes:

AT

8/11/2025

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 8-11-25

Calibrated By: Z. Webb

Field Conditions: Overcast, 70°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTcall400	489630
Turbidity Meter	LaMotte 2020e	4104-2623

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	01/2026	AIR
pH (SU)	4.00	24014218	01/2026	AIR
pH (SU)	7.00	24014266	01/2026	AIR
pH (SU)	10.00	24011537	01/2026	AIR
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	22490162	01/2026	AIR

Calibration					
Time Start 0745		Time Finish 0805			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	25.23	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	25.20	± 0.1	GWMP
pH (SU)	7.00	7.00	25.18	± 0.1	GWMP
pH (SU)	10.00	10.00	25.23	± 0.1	GWMP
D.O. (%)	N/A	100%	24.53	± 10%	NA
ORP (mV)	228.0	228.0	25.16	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	—	—		

Calibration Check					
Time Start 1227		Time Finish 1235			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	26.60	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	26.54	± 0.1	GWMP
pH (SU)	7.00	7.00	26.10	± 0.1	GWMP
pH (SU)	10.00	10.00	25.86	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	—	—		

Notes:

ZW 8-11-25

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 8/11/25

Calibrated By: J. Newsome

Field Conditions: Cloudy, 78F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatroll	965586
Turbidity Meter	LaMotte	1511-411

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	1/2026	AIR
pH (SU)	4.00	"	"	
pH (SU)	7.00	24014266	1/2026	
pH (SU)	10.00	24011537	1/2026	
D.O. (%)	N/A			
ORP (mV)	228.0	22490162	1/2026	AIR

Calibration					
Time Start	745	Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	25.23	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	25.32	± 0.1	GWMP
pH (SU)	7.00	7.00	25.43	± 0.1	GWMP
pH (SU)	10.00	10.06	25.82	± 0.1	GWMP
D.O. (%)	N/A			± 10%	NA
ORP (mV)	228.0	228.6	25.94	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		

Calibration Check					
Time Start	1515	Time Finish	1520		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	25.49	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	26.17	± 0.1	GWMP
pH (SU)	7.00	7.04	26.41	± 0.1	GWMP
pH (SU)	10.00	10.01	25.96	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		

Notes:

JN 8/11/25

Site Name: GP Hammond

Calibrated By: A Tomlinson

Field Instrumentation Calibration Form

Date: 8/12/2025

Field Conditions: 70s, overcast

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTROLL	543593
Turbidity Meter	Aquafluor 2020e	4139-1002

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	01/2026	ATR
pH (SU)	4.00	24014218	01/2026	ATR
pH (SU)	7.00	24014246	01/2026	ATR
pH (SU)	10.00	24011537	01/2026	ATR
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	22490162	01/2026	ATR

Calibration					
Time Start 0720		Time Finish 0730			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	23.25	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	23.25	± 0.1	GWMP
pH (SU)	7.00	7.00	23.40	± 0.1	GWMP
pH (SU)	10.00	10.00	23.60	± 0.1	GWMP
D.O. (%)	N/A	100.1	23.70	± 10%	NA
ORP (mV)	228.0	228.0	23.72	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.00	± 10% of standard	EPA 2023
	1	1.00		
	10	10.0		
	—	—		

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

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

Notes:

No midday due to any sampling 2 wells.

8/12/2025

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 8/12/25

Calibrated By: J. Newsome

Field Conditions: cloudy, 76°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatrol	965586
Turbidity Meter	Lamotte	4111-15174

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014214	1/2024	ATK
pH (SU)	4.00	"	"	"
pH (SU)	7.00	24014266	1/2024	"
pH (SU)	10.00	24011577	1/2024	"
D.O. (%)	N/A			
ORP (mV)	228.0	27490162	1/2024	ATK

Calibration					
Time Start	720	Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	24.80	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	24.90	± 0.1	GWMP
pH (SU)	7.00	7.00	25.18	± 0.1	GWMP
pH (SU)	10.00	10.00	25.28	± 0.1	GWMP
D.O. (%)	N/A	100	25.10	± 10%	NA
ORP (mV)	228.0	228.0	25.20	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		

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

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

Notes:

No mid day, only one sample.

JN 8/12/2025

JN 8-12-25

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 8-12-25

Calibrated By: Z. Webb

Field Conditions: Cloudy, 70°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	989630
Turbidity Meter	LaMotte 2020e	404-2623

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24014218	01/2026	AIR
pH (SU)	4.00	24014218	01/2026	AIR
pH (SU)	7.00	24014266	01/2026	AIR
pH (SU)	10.00	24011537	01/2026	AIR
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	22490162	01/2026	AIR

Calibration					
Time Start 0725		Time Finish 0746			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	24.73	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	24.99	± 0.1	GWMP
pH (SU)	7.00	7.00	25.12	± 0.1	GWMP
pH (SU)	10.00	10.00	25.01	± 0.1	GWMP
D.O. (%)	N/A	100%	23.65	± 10%	NA
ORP (mV)	228.0	228.0	25.05	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	—	—		

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

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

Notes:

No mid day cal; only two wells sampled/finished before noon.

ZW 8-12-25

APPENDIX C

Statistical Analyses Reports

FEBRUARY 2025

GROUNDWATER STATS CONSULTING

August 29, 2025

Southern Company Services
Attn: Ms. Kristen Jurinko
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Plant Hammond Ash Pond 2 (AP-2)
Statistical Analysis – 1st 2025 Sample Event

Dear Ms. Jurinko,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the 1st 2025 Semi-Annual Groundwater Detection and Assessment Monitoring Statistical summary of groundwater data for Georgia Power Company's Plant Hammond AP-2. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10 and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling began for the Coal Combustion Residuals (CCR) program in 2016 for all wells except those noted below, and at least 8 samples were collected at all wells. Sampling began in 2019 for assessment wells MW-21D, MW-22, and MW-23D; in 2020 for upgradient wells HGWA-42D, HGWA-43D, HGWA-44D and assessment wells MW-33, MW-34D, MW-35, and MW-37D; and in 2021 for assessment well MW-51.

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient well:** HGWA-1, HGWA-2, HGWA-3, HGWA-4, HGWA-5, HGWA-6, HGWA-42D, HGWA-43D, and HGWA-44D
- **Downgradient wells:** HGWC-14, HGWC-15, HGWC-16, HGWC-17, and HGWC-18

- **Assessment wells:** MW-21D, MW-22, MW-23D, MW-33, MW-34D, MW-35, MW-37D, and MW-51

Assessment wells are included on time series and box plots for all parameters. When a minimum of 4 samples is available, assessment wells are evaluated using confidence intervals for the Appendix IV constituents.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Andrew Collins, Project Manager for Groundwater Stats Consulting. The statistical analysis was performed according to the groundwater data screening that was performed in April 2018 by GSC and approved by Dr. Cameron, PhD Statistician with MacStat Consulting and primary author of the USEPA Unified Guidance. In 2024, Georgia Power Company completed a data audit and migration of all CCR related groundwater data to the EarthSoft EQuIS Database Management Program (EQuIS). Data were then exported from EQuIS to Groundwater Stats Consulting (GSC) for use in completing this statistical analysis. Georgia Power Company contracted an independent third-party consultant, Environmental Resources Management (ERM), to support the data audit and migration to EQuIS. Based on the results of the audit and statistical analysis results from GSC, EQuIS will now be used by Georgia Power Company and its third-party geologists and engineers for management of data imported by independent third-party laboratories and data exported by Georgia Power Company and its Consultants. The data will be used in preparation of report submittals, modeling, strategic planning, and other purposes appropriate and consistent with EQuIS's data management and reporting tools and capabilities.

The CCR program consists of the constituents listed below. The terms "parameters" and "constituents" are used interchangeably.

- **Appendix III** (Detection Monitoring) - boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Appendix IV** (Assessment Monitoring) - antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lead, lithium, mercury, molybdenum, selenium, and thallium

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of well/constituent pairs containing 100% non-detects follows this letter.

For all constituents, a substitution of the most recent reporting limit is used for non-detect data. In the case of lithium, historical reporting limits vary among the wells. Therefore, the

reporting limit of 0.030 mg/L was substituted across all wells, which is the most recent reporting limit provided by the laboratory.

Time series plots for Appendix III and IV parameters at all wells are provided for the purpose of screening data at these wells (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. When values in background are flagged as outliers, the measurements may be seen in a lighter font and as a disconnected symbol on the graphs. A list of flagged values follows this report (Figure C).

In earlier analyses, data at all wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method for Appendix III parameters based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves were provided in previous reports 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.

Statistical Methods – Appendix III Parameters

Appendix III parameters are evaluated using Interwell Prediction Limits combined with 1-of-2 resamples for all constituents: boron, calcium, chloride, fluoride, pH, sulfate, and TDS.

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% per semi-annual event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits.

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).

- When data contain <15% non-detects, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data for parametric limits. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. In some cases, an earlier portion of data may require deselection prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs. When this step is required, a summary of any adjusted records will be provided.

Statistical Evaluation of Appendix III Parameters – February/March 2025

All Appendix III parameters were analyzed using interwell prediction limits. Background (upgradient) well data were reassessed for potential outliers during this analysis. When values in background are flagged as outliers, the measurements may be seen in a lighter font and as a disconnected symbol on the graphs. No additional values were flagged during this analysis and a summary of previously flagged outliers follows this report (Figure C).

Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed for Appendix III parameters using all historical upgradient well data through February 2025 (Figure D). Downgradient measurements were compared to these interwell background limits. Interwell prediction limits use all available upgradient well data to establish a background limit for an individual constituent. The February/March 2025 sample from each downgradient well is compared to the background limit to determine whether any 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 confirm 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 the resample falls within the statistical limit, the initial exceedance is considered to be a false positive result; therefore, no further action is necessary. If no resample is collected, the initial exceedance is automatically confirmed.

A summary table of these findings is provided along with the prediction limits. When the March 2025 compliance data from downgradient wells were compared to interwell prediction limits, exceedances were noted for the following well/constituent pairs:

- Boron: HGWC-14, HGWC-15, HGWC-16, HGWC-17, and HGWC-18
- Calcium: HGWC-14, HGWC-15, HGWC-16, and HGWC-17
- Chloride: HGWC-14, HGWC-15, HGWC-16, and HGWC-17
- Sulfate: HGWC-14, HGWC-15, HGWC-16, HGWC-17, and HGWC-18
- TDS: HGWC-14, HGWC-15, HGWC-16, and HGWC-17

Trend Test Evaluation – Appendix III

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test at the 99% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure E). Upgradient well data 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. Upgradient trends are an indication of variability in groundwater unrelated to practices at the site. A summary of the trend test results follows this letter. Statistically significant trends were noted for the following well/constituent pairs:

Increasing trends:

- Boron: HGWA-2, HGWA-44D (both upgradient), and HGWC-16
- Calcium: HGWA-2, HGWA-3 (both upgradient), and HGWC-16
- Chloride: HGWA-44D (upgradient) and HGWC-16
- Sulfate: HGWA-2 (upgradient)
- TDS: HGWC-16

Decreasing trends:

- Boron: HGWA-43D (upgradient), HGWC-14, and HGWC-18
- Calcium: HGWA-4, HGWA-44D (both upgradient), and HGWC-14

- Chloride: HGWA-3, HGWA-4 (both upgradient), HGWC-14, and HGWC-15
- Sulfate: HGWA-43D (upgradient) and HGWC-15
- TDS: HGWA-4 (upgradient), HGWC-14, and HGWC-15

Statistical Methods – Appendix IV Parameters

Appendix IV parameters are evaluated by statistically comparing the mean or median of each downgradient well/constituent pair against corresponding Groundwater Protection Standards (GWPS). The GWPS may be either regulatory (MCL or CCR rule-specified limits) or site-specific limits that are based on upgradient background groundwater quality. Site-specific background limits are determined using tolerance limits, and the comparison of downgradient means or medians to GWPS is performed using confidence intervals. Confidence intervals are provided for Appendix IV well/constituent pairs with detections and with current reported data. The methods are described below.

Statistical Evaluation of Appendix IV Parameters – February/March 2025

For Appendix IV parameters, confidence intervals for each downgradient well, assessment well, and piezometer/constituent pair were compared against corresponding Groundwater Protection Standards (GWPS). GWPS were developed as described below. Well/constituent pairs that contain 100% non-detects do not require analysis.

Data from all wells for Appendix IV parameters are reassessed for outliers during each analysis. More recent concentrations have continued to increase for lithium at upgradient well HGWA-44D; therefore, the record was truncated to use observations between September 2020 and January 2023 in order to maintain conservative limits from a regulatory perspective. If further studies indicate the flagged measurements represent variation in groundwater quality, the values will be re-evaluated for construction of interwell upper tolerance limits. A list of any well/constituent pairs using a truncated portion of their record follows this letter.

Interwell Upper Tolerance Limits

Site specific background limits were calculated as upper one-sided tolerance limits (UTLs) on pooled upgradient interwell data through February 2025 for each of the Appendix IV constituents (Figure F). Parametric tolerance limits are calculated, with a target of 95% confidence and 95% coverage, when data follow a normal or transformed-normal distribution, such as the case for combined radium 226 + 228. When data contained greater than 50% non-detects or did not follow a normal or transformed-normal

distribution, non-parametric tolerance limits were used. As mentioned above, a reporting limit of 0. 0.030 mg/L was substituted across all wells for lithium.

Groundwater Protection Standards

The background limits were then used when determining the groundwater protection standard (GWPS) under 40 CFR §257.95(h) and Georgia EPD Rule 391-3-4-.10(6)(a). On July 30, 2018, US EPA revised the Federal CCR rule updating GWPS for cobalt, lead, lithium, and molybdenum as described above in 40 CFR §257.95(h)(2). Effective on February 22, 2022, Georgia EPD incorporated the updated GWPS into the current Georgia EPD Rules for Solid Waste Management 391-3-4-.10(6)(a). In accordance with the updated Rules, the GWPS is:

- The maximum contaminant level (MCL) established under §141.62 and §141.66 of this title
- Where an MCL has not been established for a constituent, Federal and State CCR Rules specify levels for cobalt (0.006 mg/L), lead (0.015 mg/L), lithium (0.040 mg/L), and molybdenum (0.100 mg/L)
- The respective background level for a constituent when the background level is higher than the MCL or Federal CCR Rule identified GWPS

Following Georgia EPD Rule requirements and the Federal CCR requirements, GWPS were established for statistical comparison of Appendix IV constituents for this sample event (Figure G).

Confidence Intervals

To complete the statistical comparison to GWPS, confidence intervals were constructed for the Appendix IV constituents in each downgradient well with 8 or more samples and assessment well with 4 or more samples through February/March 2025 (Figure H).

The Sanitas software was used to calculate the confidence intervals, either parametric or nonparametric, 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. The lower confidence limit, which is constructed with 99% confidence for parametric confidence intervals, is compared to the GWPS prepared as described above. The confidence level associated with nonparametric confidence intervals is dependent upon the number samples available.

Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its respective standard. If there is an exceedance of the GWPS, a statistically significant level (SSL) exceedance is identified. Summaries of the confidence interval results, along with graphical comparison against GWPS follow this letter. Exceedances were noted for the following well/constituent pairs:

- Cobalt: HGWC-18, MW-33, and MW-35

Trend Test Evaluation – Appendix IV

Data at wells with confidence interval exceedances are further evaluated using the Sen's Slope/Mann Kendall trend test at the 95% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure I). Although the trend tests for Assessment monitoring pairs were previously evaluated using 99% confidence, the 95% confidence level more rapidly identifies statistically significant trends. Additionally, the 95% confidence level is recommended in cases with limited sample sizes and, particularly, for new assessment wells. Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site for the same constituents. When trends are present in upgradient wells, it is an indication of variability in groundwater quality unrelated to practices at the site. A summary of the Appendix IV trend test results follows this letter. Statistically significant trends were identified for the following well/constituent pairs:

Increasing trends:

- None

Decreasing trends:

- Cobalt: HGWA-4 (upgradient) and HGWC-18

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Hammond AP-2. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,





Tristan Clark
Groundwater Analyst

Andrew T. Collins
Project Manager

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Summary Tables

Date Ranges

Date: 4/28/2025 1:03 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Lithium (mg/L)

HGWA-44D overall:9/16/2020-1/24/2023

100% Non-Detects: Appendix IV Downgradient & Assessment

Analysis Run 4/28/2025 12:46 PM View: Appendix IV
Plant Hammond Client: Southern Company Data: Hammond AP2

Antimony (mg/L)
HGWC-16, HGWC-17, MW-21D, MW-51

Beryllium (mg/L)
HGWC-15, HGWC-16, MW-21D, MW-23D

Cadmium (mg/L)
HGWC-16, MW-21D, MW-37D

Chromium (mg/L)
MW-51

Lead (mg/L)
MW-51

Mercury (mg/L)
HGWC-14, HGWC-16, HGWC-17, MW-21D, MW-33, MW-34D, MW-37D

Molybdenum (mg/L)
HGWC-14, HGWC-16, HGWC-17, HGWC-18, MW-33, MW-34D, MW-35, MW-51

Selenium (mg/L)
MW-21D, MW-37D

Thallium (mg/L)
HGWC-16, MW-21D, MW-22, MW-23D, MW-37D, MW-51

Appendix III Interwell Prediction Limits - Significant Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 4/29/2025, 12:28 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	HGWC-14	0.55	n/a	2/18/2025	6.2	Yes	183	7.104	n/a	n/a	0.00005892	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-15	0.55	n/a	2/17/2025	1.6	Yes	183	7.104	n/a	n/a	0.00005892	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-16	0.55	n/a	2/17/2025	1.9	Yes	183	7.104	n/a	n/a	0.00005892	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-17	0.55	n/a	2/16/2025	5.3	Yes	183	7.104	n/a	n/a	0.00005892	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-18	0.55	n/a	2/18/2025	2.4	Yes	183	7.104	n/a	n/a	0.00005892	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-14	138	n/a	2/18/2025	341	Yes	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-15	138	n/a	2/17/2025	142	Yes	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-16	138	n/a	2/17/2025	158	Yes	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-17	138	n/a	2/16/2025	176	Yes	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-14	44.8	n/a	2/18/2025	92	Yes	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-15	44.8	n/a	2/17/2025	62.8	Yes	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-16	44.8	n/a	2/17/2025	87.8	Yes	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-17	44.8	n/a	2/16/2025	77.7	Yes	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-14	94.5	n/a	2/18/2025	790	Yes	185	2.162	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-15	94.5	n/a	2/17/2025	277	Yes	185	2.162	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-16	94.5	n/a	2/17/2025	200	Yes	185	2.162	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-17	94.5	n/a	2/16/2025	224	Yes	185	2.162	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-18	94.5	n/a	2/18/2025	289	Yes	185	2.162	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-14	632	n/a	2/18/2025	1600	Yes	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-15	632	n/a	2/17/2025	764	Yes	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-16	632	n/a	2/17/2025	768	Yes	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-17	632	n/a	2/16/2025	670	Yes	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 4/29/2025, 12:28 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**HGWC-14**	**0.55**	**n/a**	**2/18/2025**	**6.2**	**Yes**	**183**	**7.104**	**n/a**	**n/a**	**0.00005892**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**HGWC-15**	**0.55**	**n/a**	**2/17/2025**	**1.6**	**Yes**	**183**	**7.104**	**n/a**	**n/a**	**0.00005892**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**HGWC-16**	**0.55**	**n/a**	**2/17/2025**	**1.9**	**Yes**	**183**	**7.104**	**n/a**	**n/a**	**0.00005892**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**HGWC-17**	**0.55**	**n/a**	**2/16/2025**	**5.3**	**Yes**	**183**	**7.104**	**n/a**	**n/a**	**0.00005892**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**HGWC-18**	**0.55**	**n/a**	**2/18/2025**	**2.4**	**Yes**	**183**	**7.104**	**n/a**	**n/a**	**0.00005892**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**HGWC-14**	**138**	**n/a**	**2/18/2025**	**341**	**Yes**	**185**	**0**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**HGWC-15**	**138**	**n/a**	**2/17/2025**	**142**	**Yes**	**185**	**0**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**HGWC-16**	**138**	**n/a**	**2/17/2025**	**158**	**Yes**	**185**	**0**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**HGWC-17**	**138**	**n/a**	**2/16/2025**	**176**	**Yes**	**185**	**0**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	HGWC-18	138	n/a	2/18/2025	109	No	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Chloride (mg/L)	**HGWC-14**	**44.8**	**n/a**	**2/18/2025**	**92**	**Yes**	**185**	**0**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**HGWC-15**	**44.8**	**n/a**	**2/17/2025**	**62.8**	**Yes**	**185**	**0**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**HGWC-16**	**44.8**	**n/a**	**2/17/2025**	**87.8**	**Yes**	**185**	**0**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**HGWC-17**	**44.8**	**n/a**	**2/16/2025**	**77.7**	**Yes**	**185**	**0**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	HGWC-18	44.8	n/a	2/18/2025	44.7	No	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-14	1.5	n/a	2/18/2025	0.055J	No	215	27.91	n/a	n/a	0.0000492	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-15	1.5	n/a	2/17/2025	0.052J	No	215	27.91	n/a	n/a	0.0000492	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-16	1.5	n/a	2/17/2025	0.1ND	No	215	27.91	n/a	n/a	0.0000492	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-17	1.5	n/a	2/16/2025	0.05J	No	215	27.91	n/a	n/a	0.0000492	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-18	1.5	n/a	2/18/2025	0.067J	No	215	27.91	n/a	n/a	0.0000492	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-14	8.49	4.57	2/18/2025	4.81	No	220	0	n/a	n/a	0.0000984	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-15	8.49	4.57	2/17/2025	6.53	No	220	0	n/a	n/a	0.0000984	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-16	8.49	4.57	2/17/2025	7.36	No	220	0	n/a	n/a	0.0000984	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-17	8.49	4.57	2/16/2025	6.47	No	220	0	n/a	n/a	0.0000984	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-18	8.49	4.57	2/18/2025	5	No	220	0	n/a	n/a	0.0000984	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**HGWC-14**	**94.5**	**n/a**	**2/18/2025**	**790**	**Yes**	**185**	**2.162**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**HGWC-15**	**94.5**	**n/a**	**2/17/2025**	**277**	**Yes**	**185**	**2.162**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**HGWC-16**	**94.5**	**n/a**	**2/17/2025**	**200**	**Yes**	**185**	**2.162**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**HGWC-17**	**94.5**	**n/a**	**2/16/2025**	**224**	**Yes**	**185**	**2.162**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**HGWC-18**	**94.5**	**n/a**	**2/18/2025**	**289**	**Yes**	**185**	**2.162**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**HGWC-14**	**632**	**n/a**	**2/18/2025**	**1600**	**Yes**	**185**	**0**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**HGWC-15**	**632**	**n/a**	**2/17/2025**	**764**	**Yes**	**185**	**0**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**HGWC-16**	**632**	**n/a**	**2/17/2025**	**768**	**Yes**	**185**	**0**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**HGWC-17**	**632**	**n/a**	**2/16/2025**	**670**	**Yes**	**185**	**0**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	HGWC-18	632	n/a	2/18/2025	598	No	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2

Appendix III Trend Tests - Significant Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 4/29/2025, 12:31 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**HGWA-2 (bg)**	**0.002553**	**192**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWA-43D (bg)**	**-0.00484**	**-48**	**-43**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWA-44D (bg)**	**0.06008**	**56**	**43**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWC-14**	**-1.28**	**-180**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWC-16**	**0.1455**	**140**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWC-18**	**-0.5017**	**-130**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-2 (bg)**	**1.743**	**142**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-3 (bg)**	**1.808**	**153**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-4 (bg)**	**-5.891**	**-119**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-44D (bg)**	**-6.278**	**-58**	**-43**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWC-14**	**-20.63**	**-135**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWC-16**	**9.468**	**160**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWA-3 (bg)**	**-0.1661**	**-183**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWA-4 (bg)**	**-0.3906**	**-224**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWA-44D (bg)**	**6.04**	**54**	**43**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWC-14**	**-61.52**	**-209**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWC-15**	**-20.27**	**-200**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWC-16**	**10.34**	**196**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWA-2 (bg)**	**4.631**	**200**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWA-43D (bg)**	**-3.467**	**-66**	**-43**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWC-15**	**-21.6**	**-139**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**HGWA-4 (bg)**	**-16.71**	**-110**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**HGWC-14**	**-186**	**-200**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**HGWC-15**	**-50.5**	**-168**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**HGWC-16**	**43.71**	**183**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - All Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 4/29/2025, 12:31 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	HGWA-1 (bg)	0	-3	-111	No	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	**HGWA-2 (bg)**	**0.002553**	**192**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	HGWA-3 (bg)	0.0004291	70	111	No	25	24	n/a	n/a	0.01	NP
Boron (mg/L)	HGWA-4 (bg)	0.0007332	50	105	No	24	4.167	n/a	n/a	0.01	NP
Boron (mg/L)	HGWA-5 (bg)	0.0008166	86	105	No	24	20.83	n/a	n/a	0.01	NP
Boron (mg/L)	HGWA-6 (bg)	-0.0002525	-38	-98	No	23	4.348	n/a	n/a	0.01	NP
Boron (mg/L)	HGWA-42D (bg)	0.0001173	2	38	No	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	**HGWA-43D (bg)**	**-0.00484**	**-48**	**-43**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWA-44D (bg)**	**0.06008**	**56**	**43**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWC-14**	**-1.28**	**-180**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	HGWC-15	-0.04583	-65	-105	No	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	**HGWC-16**	**0.1455**	**140**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	HGWC-17	-0.005384	-12	-105	No	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	**HGWC-18**	**-0.5017**	**-130**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	HGWA-1 (bg)	2.026	100	111	No	25	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**HGWA-2 (bg)**	**1.743**	**142**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-3 (bg)**	**1.808**	**153**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-4 (bg)**	**-5.891**	**-119**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	HGWA-5 (bg)	-0.1464	-23	-105	No	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-6 (bg)	0.3665	62	105	No	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-42D (bg)	0.3041	12	43	No	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-43D (bg)	-1.38	-24	-43	No	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**HGWA-44D (bg)**	**-6.278**	**-58**	**-43**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWC-14**	**-20.63**	**-135**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	HGWC-15	-3.781	-73	-105	No	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**HGWC-16**	**9.468**	**160**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	HGWC-17	2.207	7	105	No	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-1 (bg)	0.4664	67	111	No	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-2 (bg)	0.1024	59	105	No	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**HGWA-3 (bg)**	**-0.1661**	**-183**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWA-4 (bg)**	**-0.3906**	**-224**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	HGWA-5 (bg)	-0.03922	-68	-105	No	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-6 (bg)	-0.04069	-77	-105	No	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-42D (bg)	0.03197	9	43	No	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-43D (bg)	-0.1034	-29	-43	No	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**HGWA-44D (bg)**	**6.04**	**54**	**43**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWC-14**	**-61.52**	**-209**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWC-15**	**-20.27**	**-200**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWC-16**	**10.34**	**196**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	HGWC-17	1.338	6	105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-1 (bg)	0.3291	19	111	No	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**HGWA-2 (bg)**	**4.631**	**200**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	HGWA-3 (bg)	-0.7966	-54	-111	No	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-4 (bg)	0.6431	42	105	No	24	12.5	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-5 (bg)	-0.2584	-53	-105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-6 (bg)	-0.3429	-102	-105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-42D (bg)	0.2675	35	43	No	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**HGWA-43D (bg)**	**-3.467**	**-66**	**-43**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	HGWA-44D (bg)	-1.791	-24	-43	No	13	7.692	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-14	-50.84	-88	-105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**HGWC-15**	**-21.6**	**-139**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	HGWC-16	-0.1028	-13	-105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-17	-14.95	-77	-105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-18	-8.695	-38	-111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-1 (bg)	4.4	56	111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-2 (bg)	8.099	101	105	No	24	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-3 (bg)	0.8767	34	111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	**HGWA-4 (bg)**	**-16.71**	**-110**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	HGWA-5 (bg)	-0.07085	-5	-105	No	24	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-6 (bg)	-0.4692	-18	-105	No	24	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-42D (bg)	3.978	21	43	No	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-43D (bg)	-0.688	-4	-43	No	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-44D (bg)	24.11	41	43	No	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	**HGWC-14**	**-186**	**-200**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**HGWC-15**	**-50.5**	**-168**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**HGWC-16**	**43.71**	**183**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	HGWC-17	31.21	62	105	No	24	4.167	n/a	n/a	0.01	NP

Upper Tolerance Limits - Summary Table

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 4/30/2025, 7:37 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.003	n/a	n/a	n/a	n/a	183	85.79	n/a	n/a	NaN	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	207	83.09	n/a	n/a	NaN	NP Inter(NDs)
Barium (mg/L)	n/a	0.46	n/a	n/a	n/a	n/a	207	0	n/a	n/a	NaN	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	195	82.56	n/a	n/a	NaN	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	207	91.3	n/a	n/a	NaN	NP Inter(NDs)
Chromium (mg/L)	n/a	0.019	n/a	n/a	n/a	n/a	195	87.18	n/a	n/a	NaN	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.038	n/a	n/a	n/a	n/a	207	69.08	n/a	n/a	NaN	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	1.576	n/a	n/a	n/a	n/a	207	0	None	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	1.5	n/a	n/a	n/a	n/a	215	27.91	n/a	n/a	NaN	NP Inter(normality)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	195	77.44	n/a	n/a	NaN	NP Inter(NDs)
Lithium (mg/L)	n/a	0.064	n/a	n/a	n/a	n/a	203	17.73	n/a	n/a	NaN	NP Inter(normality)
Mercury (mg/L)	n/a	0.0002	n/a	n/a	n/a	n/a	158	94.94	n/a	n/a	0.0003022	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.01	n/a	n/a	n/a	n/a	201	84.08	n/a	n/a	NaN	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	207	96.62	n/a	n/a	NaN	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	207	99.03	n/a	n/a	NaN	NP Inter(NDs)

PLANT HAMMOND AP-2 GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.003	0.006
Arsenic, Total (mg/L)	0.01		0.005	0.01
Barium, Total (mg/L)	2		0.46	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.019	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.038	0.038
Combined Radium, Total (pCi/L)	5		1.58	5
Fluoride, Total (mg/L)	4		1.5	4
Lead, Total (mg/L)	n/a	0.015	0.001	0.015
Lithium, Total (mg/L)	n/a	0.04	0.064	0.064
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.01	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

**Grey cell indidcates background is higher than MCL or CCR-Rule*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

**GWPS = Groundwater Protection Statard*

Confidence Interval Summary Table - Significant Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 4/30/2025, 8:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**HGWC-18**	**0.1772**	**0.1443**	**0.038**	**Yes**	**28**	**0.1608**	**0.03523**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**MW-33**	**0.05764**	**0.04293**	**0.038**	**Yes**	**14**	**0.05029**	**0.01038**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**MW-35**	**0.09167**	**0.08278**	**0.038**	**Yes**	**12**	**0.08725**	**0.005754**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**

Confidence Interval Summary Table - All Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 4/30/2025, 8:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	HGWC-14	0.0032	0.001	0.006	No	21	0.002663	0.0008819	80.95	None	No	0.01	NP (NDs)
Antimony (mg/L)	HGWC-15	0.003	0.002	0.006	No	21	0.002541	0.0007729	66.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	HGWC-18	0.003	0.0008	0.006	No	21	0.002895	0.0004801	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-22	0.003	0.0016	0.006	No	12	0.002883	0.0004041	91.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-23D	0.003	0.00057	0.006	No	12	0.002798	0.0007015	91.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-33	0.003	0.003	0.006	No	10	0.002746	0.0008032	90	None	No	0.011	NP (NDs)
Antimony (mg/L)	MW-34D	0.003	0.0018	0.006	No	8	0.00285	0.0004243	87.5	None	No	0.004	NP (NDs)
Antimony (mg/L)	MW-35	0.003	0.0029	0.006	No	10	0.002731	0.0008161	80	None	No	0.011	NP (NDs)
Antimony (mg/L)	MW-37D	0.003	0.003	0.006	No	10	0.002779	0.0006989	90	None	No	0.011	NP (NDs)
Arsenic (mg/L)	HGWC-14	0.006673	0.004093	0.01	No	27	0.005636	0.002974	11.11	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	HGWC-15	0.005	0.0008	0.01	No	27	0.004494	0.001461	88.89	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-16	0.005	0.0012	0.01	No	27	0.004367	0.001558	85.19	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-17	0.005	0.0028	0.01	No	27	0.004032	0.001707	74.07	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-18	0.006321	0.00435	0.01	No	27	0.005336	0.002065	3.704	None	No	0.01	Param.
Arsenic (mg/L)	MW-21D	0.005	0.003	0.01	No	17	0.004146	0.001667	76.47	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-22	0.005	0.00045	0.01	No	16	0.004716	0.001137	93.75	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-23D	0.005	0.001	0.01	No	16	0.004236	0.001642	81.25	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-33	0.007591	0.003424	0.01	No	13	0.005508	0.002802	7.692	None	No	0.01	Param.
Arsenic (mg/L)	MW-34D	0.004473	0.001577	0.01	No	10	0.003669	0.00167	20	Kaplan-Meier	x^2	0.01	Param.
Arsenic (mg/L)	MW-35	0.006039	0.004342	0.01	No	12	0.005508	0.0009718	25	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	MW-37D	0.005	0.0021	0.01	No	12	0.004196	0.001488	75	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-51	0.005563	0.002832	0.01	No	8	0.004487	0.001303	25	Kaplan-Meier	No	0.01	Param.
Barium (mg/L)	HGWC-14	0.0214	0.018	2	No	27	0.02356	0.02044	3.704	None	No	0.01	NP (normality)
Barium (mg/L)	HGWC-15	0.02509	0.01705	2	No	27	0.02107	0.008422	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-16	0.1093	0.0994	2	No	27	0.1043	0.01035	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-17	0.0263	0.02373	2	No	27	0.02501	0.002695	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-18	0.032	0.026	2	No	27	0.0306	0.01483	3.704	None	No	0.01	NP (normality)
Barium (mg/L)	MW-21D	0.0599	0.03881	2	No	17	0.04935	0.01683	0	None	No	0.01	Param.
Barium (mg/L)	MW-22	0.02441	0.01458	2	No	16	0.02044	0.009273	0	None	ln(x)	0.01	Param.
Barium (mg/L)	MW-23D	0.06125	0.04538	2	No	16	0.05331	0.0122	0	None	No	0.01	Param.
Barium (mg/L)	MW-33	0.02578	0.01945	2	No	13	0.02262	0.004253	0	None	No	0.01	Param.
Barium (mg/L)	MW-34D	0.04189	0.03231	2	No	10	0.0371	0.005363	0	None	No	0.01	Param.
Barium (mg/L)	MW-35	0.02733	0.02167	2	No	12	0.0245	0.003606	0	None	No	0.01	Param.
Barium (mg/L)	MW-37D	0.1589	0.1211	2	No	12	0.14	0.02412	0	None	No	0.01	Param.
Barium (mg/L)	MW-51	0.03702	0.02395	2	No	8	0.03038	0.007009	0	None	ln(x)	0.01	Param.
Beryllium (mg/L)	HGWC-14	0.00056	0.0004	0.004	No	25	0.0005428	0.0002978	8	None	No	0.01	NP (normality)
Beryllium (mg/L)	HGWC-17	0.0005	0.0001	0.004	No	25	0.0004133	0.0001772	80	None	No	0.01	NP (NDs)
Beryllium (mg/L)	HGWC-18	0.003235	0.002579	0.004	No	25	0.002907	0.0006577	4	None	No	0.01	Param.
Beryllium (mg/L)	MW-22	0.0005	0.00007	0.004	No	16	0.0003388	0.0002151	62.5	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-33	0.001014	0.000698	0.004	No	13	0.0008323	0.000265	0	None	x^2	0.01	Param.
Beryllium (mg/L)	MW-34D	0.0005	0.00015	0.004	No	10	0.0004215	0.0001667	80	None	No	0.011	NP (NDs)
Beryllium (mg/L)	MW-35	0.0006287	0.0004213	0.004	No	12	0.000525	0.0001322	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-37D	0.0005	0.00012	0.004	No	12	0.0004683	0.0001097	91.67	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-51	0.0004379	0.0001546	0.004	No	8	0.0002963	0.0001336	0	None	No	0.01	Param.
Cadmium (mg/L)	HGWC-14	0.0005	0.00011	0.005	No	27	0.0003325	0.0001925	55.56	None	No	0.01	NP (NDs)
Cadmium (mg/L)	HGWC-15	0.001988	0.001235	0.005	No	27	0.001611	0.000789	0	None	No	0.01	Param.
Cadmium (mg/L)	HGWC-17	0.0005	0.00015	0.005	No	27	0.0004711	0.0001047	92.59	None	No	0.01	NP (NDs)
Cadmium (mg/L)	HGWC-18	0.0023	0.0016	0.005	No	27	0.002159	0.00167	3.704	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-22	0.002027	0.001619	0.005	No	16	0.001754	0.000454	0	None	x^3	0.01	Param.
Cadmium (mg/L)	MW-23D	0.0025	0.00014	0.005	No	16	0.0009637	0.00108	31.25	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-33	0.00024	0.00014	0.005	No	13	0.0002615	0.0002987	7.692	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-34D	0.001871	0.0003364	0.005	No	10	0.001423	0.001019	20	Kaplan-Meier	No	0.01	Param.
Cadmium (mg/L)	MW-35	0.001618	0.00107	0.005	No	12	0.001344	0.000349	0	None	No	0.01	Param.
Cadmium (mg/L)	MW-51	0.001268	0.0001747	0.005	No	8	0.0007213	0.0005157	0	None	No	0.01	Param.
Chromium (mg/L)	HGWC-14	0.005	0.00066	0.1	No	25	0.004643	0.001235	92	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-15	0.005	0.0012	0.1	No	25	0.004484	0.001431	88	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-16	0.005	0.0021	0.1	No	25	0.004528	0.001329	88	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-17	0.005	0.0018	0.1	No	25	0.004529	0.001314	88	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-18	0.005	0.00063	0.1	No	25	0.004461	0.00149	88	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-21D	0.005	0.00074	0.1	No	17	0.004489	0.001443	88.24	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-22	0.005	0.00075	0.1	No	16	0.004447	0.001513	87.5	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-23D	0.005	0.00086	0.1	No	16	0.004481	0.001419	87.5	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-33	0.005	0.0028	0.1	No	13	0.004499	0.001296	84.62	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-34D	0.005	0.005	0.1	No	10	0.00509	0.0002846	90	None	No	0.011	NP (NDs)
Chromium (mg/L)	MW-35	0.005	0.00083	0.1	No	12	0.004302	0.001631	83.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-37D	0.005	0.0048	0.1	No	12	0.004683	0.001036	83.33	None	No	0.01	NP (NDs)
Cobalt (mg/L)	HGWC-14	0.035	0.0253	0.038	No	27	0.03321	0.01901	3.704	None	No	0.01	NP (normality)
Cobalt (mg/L)	HGWC-15	0.03824	0.01994	0.038	No	27	0.02909	0.01918	0	None	No	0.01	Param.

Confidence Interval Summary Table - All Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 4/30/2025, 8:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	HGWC-16	0.005	0.00037	0.038	No	27	0.004654	0.001248	92.59	None	No	0.01	NP (NDs)
Cobalt (mg/L)	HGWC-17	0.01511	0.01182	0.038	No	27	0.01288	0.004345	3.704	None	x^2	0.01	Param.
Cobalt (mg/L)	**HGWC-18**	**0.1772**	**0.1443**	**0.038**	**Yes**	**28**	**0.1608**	**0.03523**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MW-21D	0.005	0.00034	0.038	No	17	0.004726	0.00113	94.12	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-22	0.03278	0.02033	0.038	No	16	0.02656	0.009569	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-23D	0.0012	0.00081	0.038	No	16	0.001068	0.000416	6.25	None	No	0.01	NP (normality)
Cobalt (mg/L)	**MW-33**	**0.05764**	**0.04293**	**0.038**	**Yes**	**14**	**0.05029**	**0.01038**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MW-34D	0.008673	0.005027	0.038	No	10	0.00685	0.002044	0	None	No	0.01	Param.
Cobalt (mg/L)	**MW-35**	**0.09167**	**0.08278**	**0.038**	**Yes**	**12**	**0.08725**	**0.005754**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Cobalt (mg/L)	MW-37D	0.005	0.0015	0.038	No	12	0.004332	0.001576	83.33	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-51	0.03719	0.01731	0.038	No	8	0.02725	0.009377	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-14	1.46	1.009	5	No	27	1.234	0.4732	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-15	0.8178	0.4465	5	No	27	0.6321	0.3892	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-16	0.8662	0.4955	5	No	27	0.6808	0.3886	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-17	0.9665	0.6666	5	No	27	0.8166	0.3144	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-18	2.033	1.473	5	No	27	1.753	0.5867	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-21D	0.8932	0.4068	5	No	17	0.683	0.4274	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-22	0.9461	0.4459	5	No	16	0.696	0.3844	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-23D	0.9265	0.4552	5	No	16	0.6909	0.3622	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-33	1.932	0.8965	5	No	13	1.414	0.6962	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-34D	1.004	0.4652	5	No	10	0.7344	0.3017	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-35	2.069	0.8903	5	No	12	1.51	0.8535	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-37D	1.057	0.3103	5	No	12	0.6838	0.4759	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-51	1.01	0.4656	5	No	8	0.7258	0.2537	0	None	ln(x)	0.01	Param.
Fluoride (mg/L)	HGWC-14	0.158	0.07802	4	No	28	0.1594	0.144	17.86	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	HGWC-15	0.12	0.086	4	No	28	0.129	0.1085	35.71	None	No	0.01	NP (normality)
Fluoride (mg/L)	HGWC-16	0.1045	0.04441	4	No	28	0.1378	0.1105	50	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	HGWC-17	0.1255	0.05841	4	No	28	0.1946	0.1979	25	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	HGWC-18	0.5603	0.3452	4	No	28	0.4528	0.2302	3.571	None	No	0.01	Param.
Fluoride (mg/L)	MW-21D	0.1	0.1	4	No	17	0.09318	0.01606	76.47	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-22	0.13	0.064	4	No	16	0.1045	0.05032	62.5	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-23D	0.14	0.074	4	No	16	0.09813	0.02525	62.5	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-33	0.2678	0.1257	4	No	14	0.1967	0.1003	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-34D	0.08987	0.06184	4	No	10	0.0831	0.01811	30	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	MW-35	0.1107	0.05862	4	No	12	0.08467	0.03319	8.333	None	No	0.01	Param.
Fluoride (mg/L)	MW-37D	0.09097	0.05703	4	No	12	0.074	0.02162	8.333	None	No	0.01	Param.
Fluoride (mg/L)	MW-51	0.1514	0.07057	4	No	8	0.111	0.03814	0	None	No	0.01	Param.
Lead (mg/L)	HGWC-14	0.001588	0.001187	0.015	No	25	0.001387	0.000402	8	None	No	0.01	Param.
Lead (mg/L)	HGWC-15	0.001	0.001	0.015	No	25	0.000857	0.0003352	80	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-16	0.001	0.00016	0.015	No	25	0.0006809	0.0004351	64	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-17	0.001	0.00013	0.015	No	25	0.0006646	0.0004277	60	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-18	0.001325	0.0009636	0.015	No	25	0.001144	0.0003628	8	None	No	0.01	Param.
Lead (mg/L)	MW-21D	0.001	0.00066	0.015	No	17	0.0008134	0.0003706	76.47	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-22	0.001	0.0001	0.015	No	16	0.0008269	0.0003724	81.25	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-23D	0.001	0.00016	0.015	No	16	0.0008882	0.0003062	87.5	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-33	0.001597	0.0007456	0.015	No	13	0.001404	0.0005061	15.38	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	MW-34D	0.001	0.001	0.015	No	10	0.000987	0.00004111	90	Kaplan-Meier	No	0.011	NP (NDs)
Lead (mg/L)	MW-35	0.0007266	0.0003109	0.015	No	12	0.000695	0.0003037	33.33	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	MW-37D	0.0017	0.00039	0.015	No	12	0.000931	0.000387	75	Kaplan-Meier	No	0.01	NP (NDs)
Lithium (mg/L)	HGWC-14	0.03	0.0029	0.064	No	27	0.02791	0.007536	92.59	None	No	0.01	NP (NDs)
Lithium (mg/L)	HGWC-15	0.007193	0.002703	0.064	No	27	0.01341	0.01245	22.22	Kaplan-Meier	ln(x)	0.01	Param.
Lithium (mg/L)	HGWC-16	0.0041	0.0029	0.064	No	27	0.003823	0.002325	3.704	None	No	0.01	NP (normality)
Lithium (mg/L)	HGWC-17	0.03	0.0012	0.064	No	27	0.01297	0.01439	40.74	None	No	0.01	NP (normality)
Lithium (mg/L)	HGWC-18	0.01371	0.01161	0.064	No	27	0.01266	0.002201	0	None	No	0.01	Param.
Lithium (mg/L)	MW-21D	0.02361	0.01786	0.064	No	17	0.02035	0.005084	0	None	x^2	0.01	Param.
Lithium (mg/L)	MW-22	0.002	0.0011	0.064	No	16	0.002993	0.004692	12.5	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-23D	0.0028	0.0019	0.064	No	16	0.003011	0.003216	6.25	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-33	0.0022	0.000839	0.064	No	13	0.005531	0.01087	15.38	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-34D	0.03	0.0011	0.064	No	10	0.00728	0.01198	20	None	No	0.011	NP (normality)
Lithium (mg/L)	MW-35	0.0046	0.0031	0.064	No	12	0.004641	0.003304	8.333	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-37D	0.03225	0.02218	0.064	No	12	0.02722	0.006414	0	None	No	0.01	Param.
Lithium (mg/L)	MW-51	0.015	0.00098	0.064	No	8	0.003202	0.004784	12.5	None	No	0.004	NP (normality)
Mercury (mg/L)	HGWC-15	0.024	0.0002	0.002	No	20	0.00139	0.005322	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	HGWC-18	0.0002	0.00009	0.002	No	20	0.0001675	0.00005848	75	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-22	0.0002	0.0002	0.002	No	10	0.000196	0.00001265	90	None	No	0.011	NP (NDs)
Mercury (mg/L)	MW-23D	0.0002	0.0002	0.002	No	10	0.000197	0.00000948	90	None	No	0.011	NP (NDs)
Mercury (mg/L)	MW-35	0.00084	0.00014	0.002	No	8	0.0002837	0.000234	50	None	No	0.004	NP (normality)
Mercury (mg/L)	MW-51	0.0002	0.00013	0.002	No	7	0.00019	0.00002646	85.71	None	No	0.008	NP (NDs)

Confidence Interval Summary Table - All Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 4/30/2025, 8:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Molybdenum (mg/L)	HGWC-15	0.01	0.0007	0.1	No	25	0.009628	0.00186	96	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-21D	0.02801	0.01632	0.1	No	17	0.02216	0.009332	0	None	No	0.01	Param.
Molybdenum (mg/L)	MW-22	0.01	0.00013	0.1	No	16	0.009383	0.002467	93.75	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-23D	0.004144	0.002969	0.1	No	16	0.003556	0.0009033	6.25	None	No	0.01	Param.
Molybdenum (mg/L)	MW-37D	0.01473	0.003733	0.1	No	12	0.009233	0.00701	8.333	None	No	0.01	Param.
Selenium (mg/L)	HGWC-14	0.01105	0.006112	0.05	No	27	0.008582	0.005177	0	None	No	0.01	Param.
Selenium (mg/L)	HGWC-15	0.005	0.0041	0.05	No	27	0.004523	0.001295	85.19	None	No	0.01	NP (NDs)
Selenium (mg/L)	HGWC-16	0.005	0.0015	0.05	No	27	0.004688	0.001139	92.59	None	No	0.01	NP (NDs)
Selenium (mg/L)	HGWC-17	0.005	0.0023	0.05	No	27	0.004474	0.001328	85.19	None	No	0.01	NP (NDs)
Selenium (mg/L)	HGWC-18	0.02982	0.01306	0.05	No	27	0.02419	0.02072	3.704	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	MW-22	0.005	0.002	0.05	No	16	0.004594	0.001114	87.5	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-23D	0.005	0.0014	0.05	No	16	0.004775	0.0009	93.75	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-33	0.019	0.007623	0.05	No	13	0.01399	0.00993	0	None	x^(1/3)	0.01	Param.
Selenium (mg/L)	MW-34D	0.005	0.0016	0.05	No	10	0.004	0.001627	60	None	No	0.011	NP (NDs)
Selenium (mg/L)	MW-35	0.01504	0.006116	0.05	No	12	0.01148	0.008841	0	None	ln(x)	0.01	Param.
Selenium (mg/L)	MW-51	0.004689	0.001106	0.05	No	8	0.003562	0.001926	25	Kaplan-Meier	No	0.01	Param.
Thallium (mg/L)	HGWC-14	0.000306	0.00027	0.002	No	27	0.0003121	0.0000709	7.407	None	No	0.01	NP (normality)
Thallium (mg/L)	HGWC-15	0.001	0.00022	0.002	No	27	0.0009711	0.0001501	96.3	None	No	0.01	NP (NDs)
Thallium (mg/L)	HGWC-17	0.001	0.00014	0.002	No	27	0.0007426	0.0004051	70.37	None	No	0.01	NP (NDs)
Thallium (mg/L)	HGWC-18	0.001	0.00019	0.002	No	27	0.0006307	0.0004211	55.56	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-33	0.001	0.00022	0.002	No	13	0.0005	0.00035	30.77	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-34D	0.001	0.001	0.002	No	10	0.000915	0.0002688	90	None	No	0.011	NP (NDs)
Thallium (mg/L)	MW-35	0.001	0.00013	0.002	No	12	0.0009275	0.0002511	91.67	None	No	0.01	NP (NDs)

Appendix IV Trend Tests - Significant Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 4/30/2025, 8:27 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	**HGWA-4 (bg)**	**-0.0000307**	**-141**	**-96**	**Yes**	**27**	**62.96**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**HGWC-18**	**-0.009617**	**-213**	**-101**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - All Results

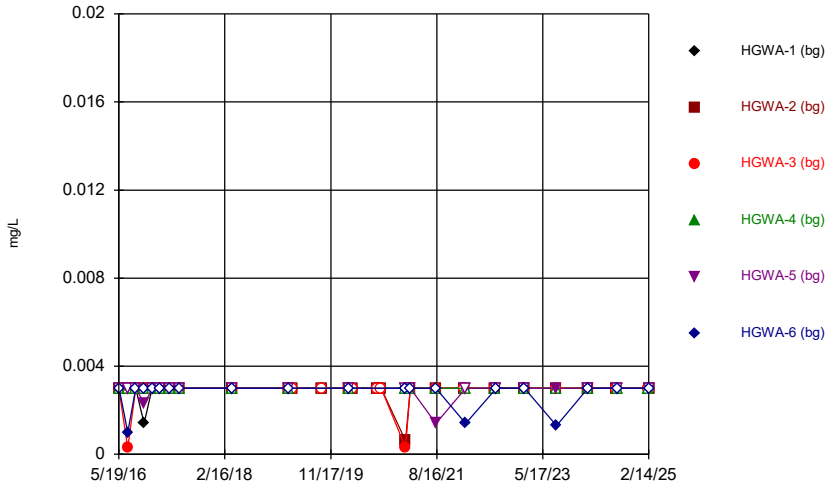
Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 4/30/2025, 8:27 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	HGWA-1 (bg)	0	-34	-101	No	28	85.71	n/a	n/a	0.05	NP
Cobalt (mg/L)	HGWA-2 (bg)	0.0002143	17	101	No	28	0	n/a	n/a	0.05	NP
Cobalt (mg/L)	HGWA-3 (bg)	0	0	101	No	28	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	**HGWA-4 (bg)**	**-0.0000307**	**-141**	**-96**	**Yes**	**27**	**62.96**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	HGWA-5 (bg)	0	-20	-96	No	27	29.63	n/a	n/a	0.05	NP
Cobalt (mg/L)	HGWA-6 (bg)	0	-24	-96	No	27	96.3	n/a	n/a	0.05	NP
Cobalt (mg/L)	HGWA-42D (bg)	0	-1	-37	No	14	85.71	n/a	n/a	0.05	NP
Cobalt (mg/L)	HGWA-43D (bg)	0	0	37	No	14	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	HGWA-44D (bg)	0	0	37	No	14	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	**HGWC-18**	**-0.009617**	**-213**	**-101**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	MW-33	-0.002897	-19	-37	No	14	0	n/a	n/a	0.05	NP
Cobalt (mg/L)	MW-35	-0.001912	-30	-30	No	12	0	n/a	n/a	0.05	NP

FIGURE A.

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

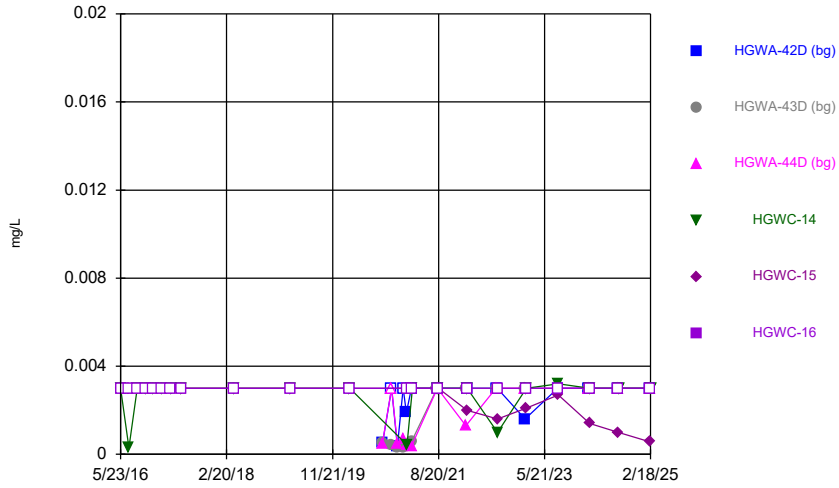
Time Series



Constituent: Antimony Analysis Run 4/30/2025 7:26 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
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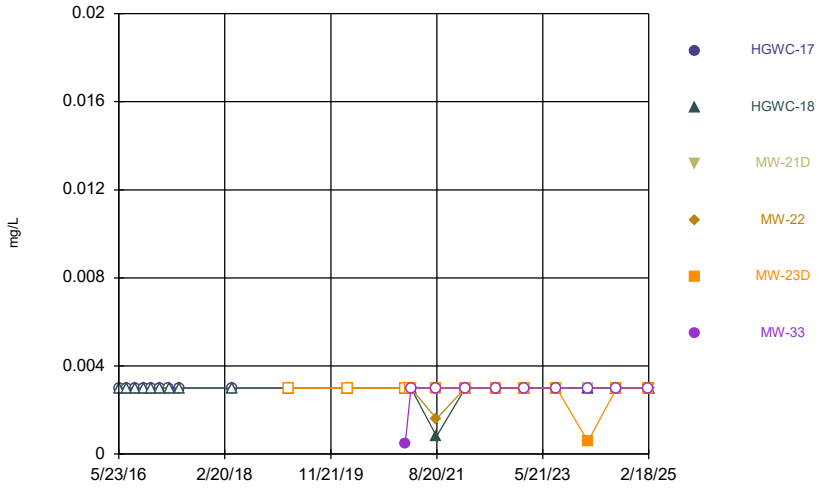
Time Series



Constituent: Antimony Analysis Run 4/30/2025 7:26 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

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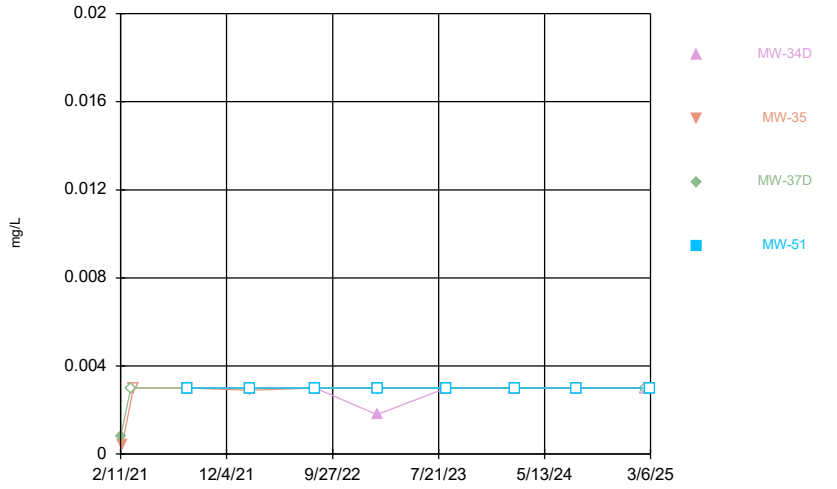
Time Series



Constituent: Antimony Analysis Run 4/30/2025 7:26 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
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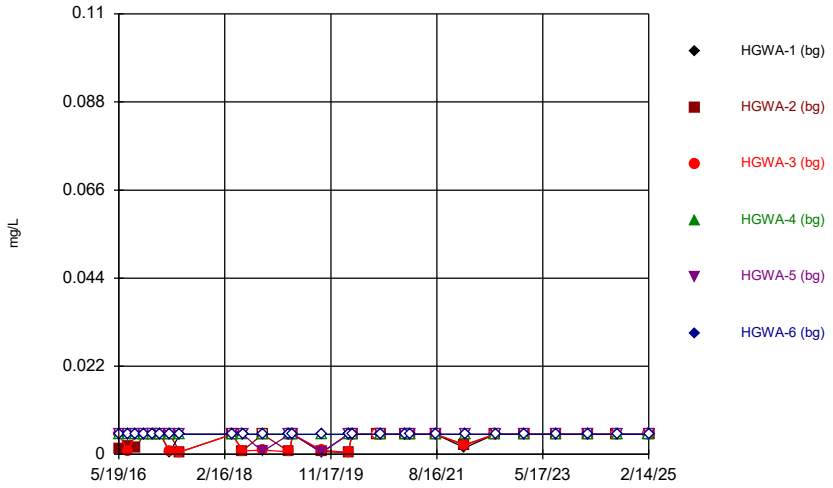
Time Series



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Plant Hammond Client: Southern Company Data: Hammond AP2

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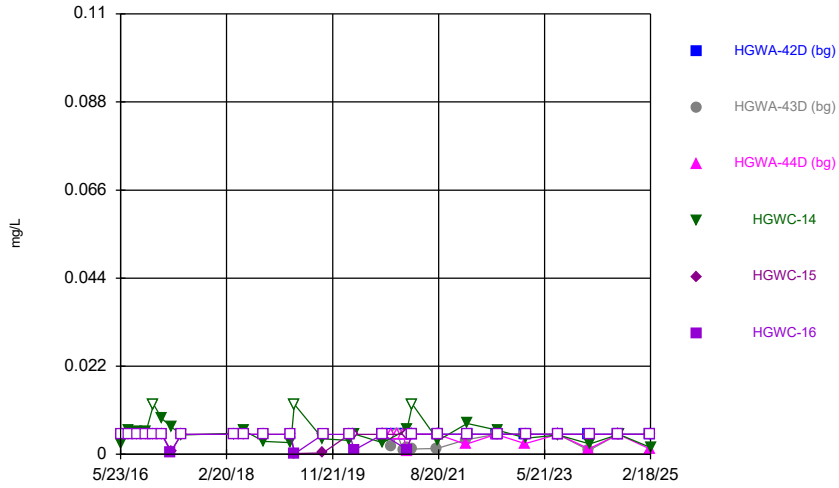
Time Series



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Plant Hammond Client: Southern Company Data: Hammond AP2

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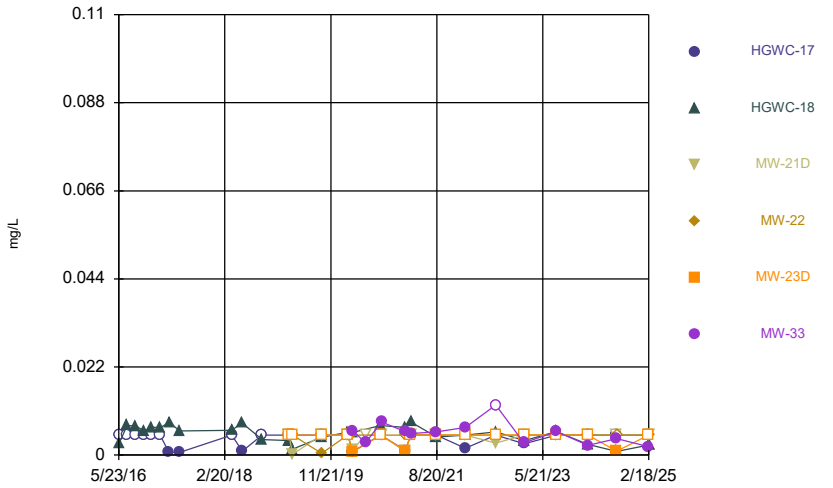
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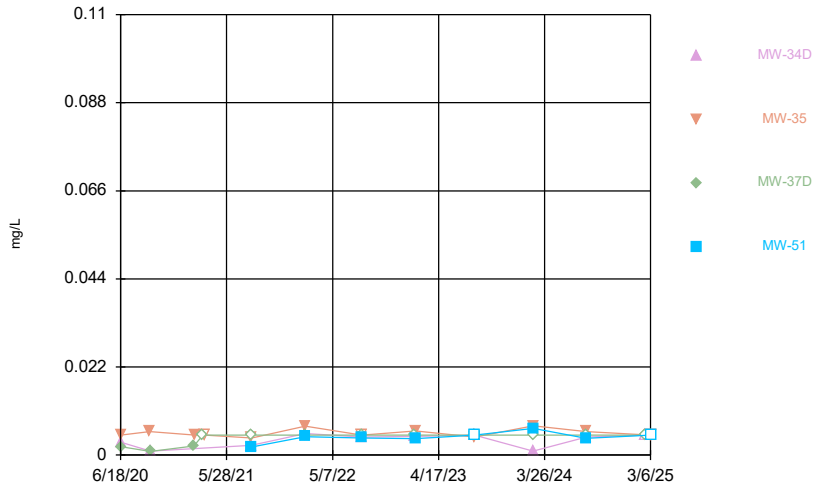
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Plant Hammond Client: Southern Company Data: Hammond AP2

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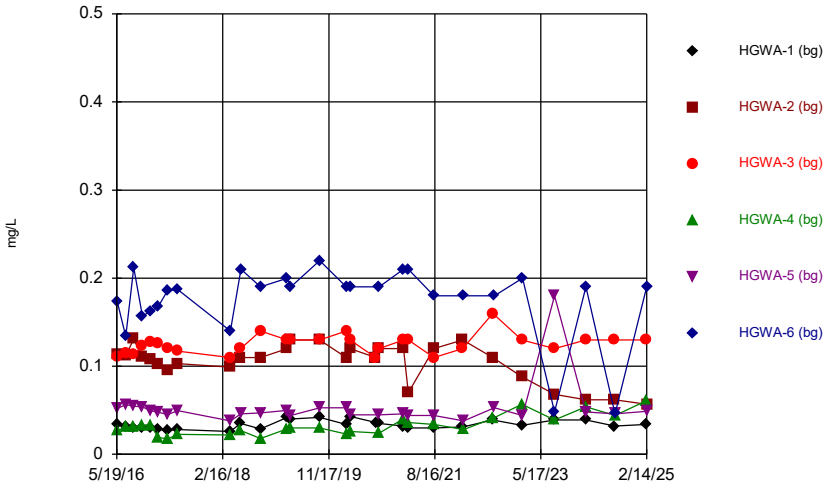
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Plant Hammond Client: Southern Company Data: Hammond AP2

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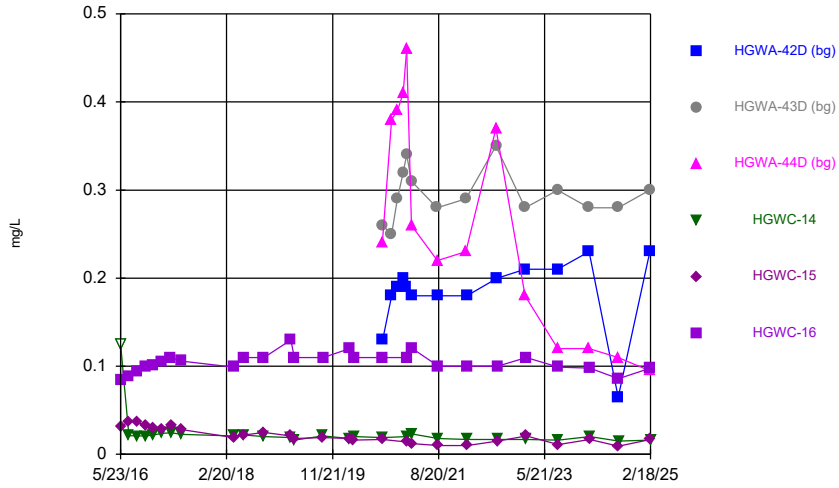
Time Series



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Plant Hammond Client: Southern Company Data: Hammond AP2

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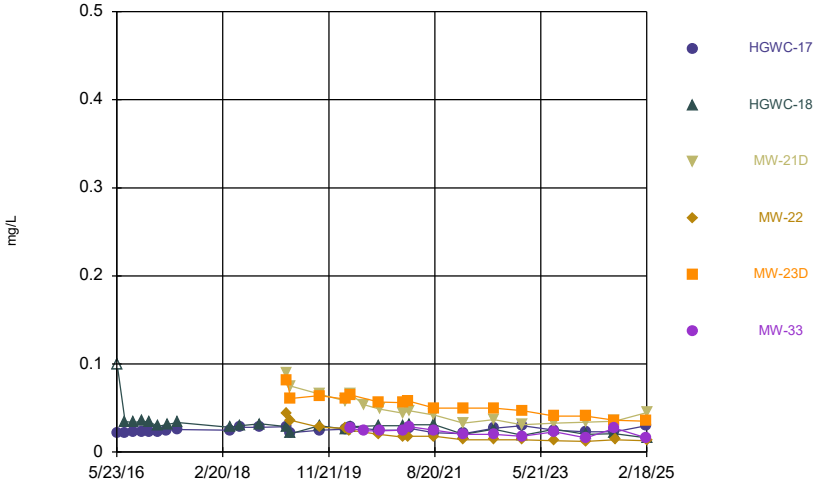
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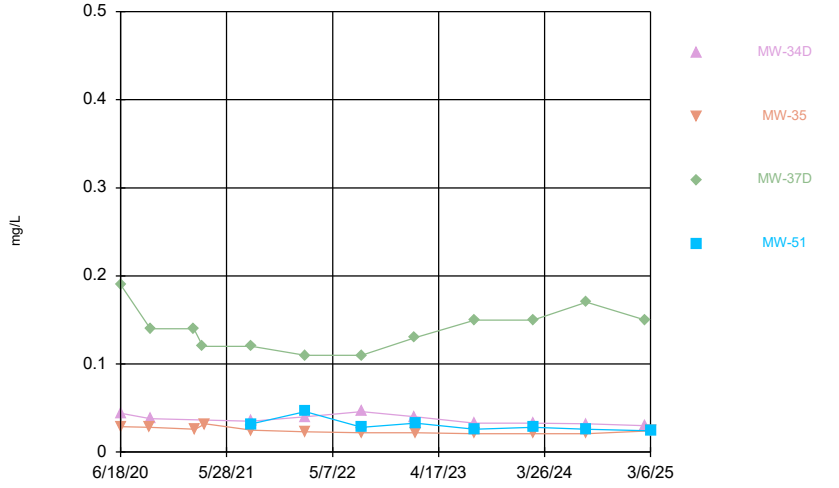
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Plant Hammond Client: Southern Company Data: Hammond AP2

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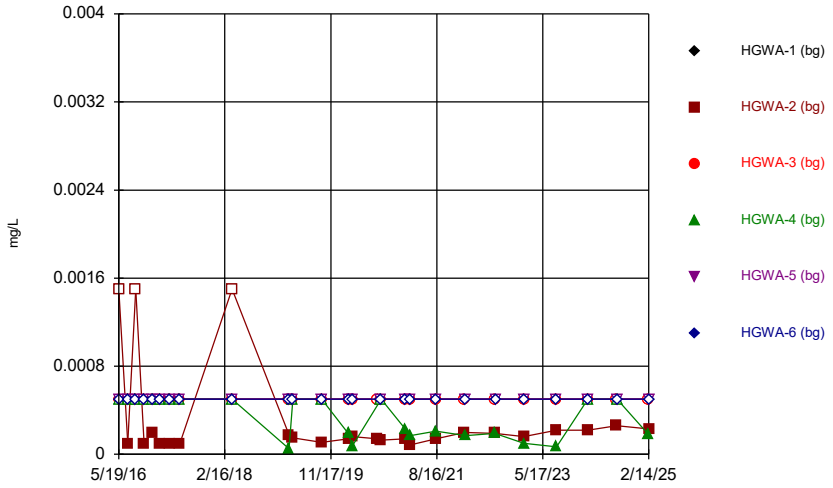
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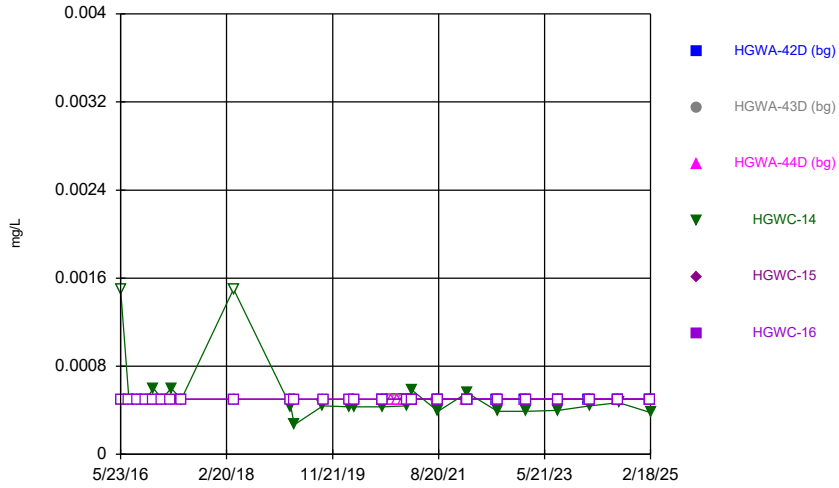
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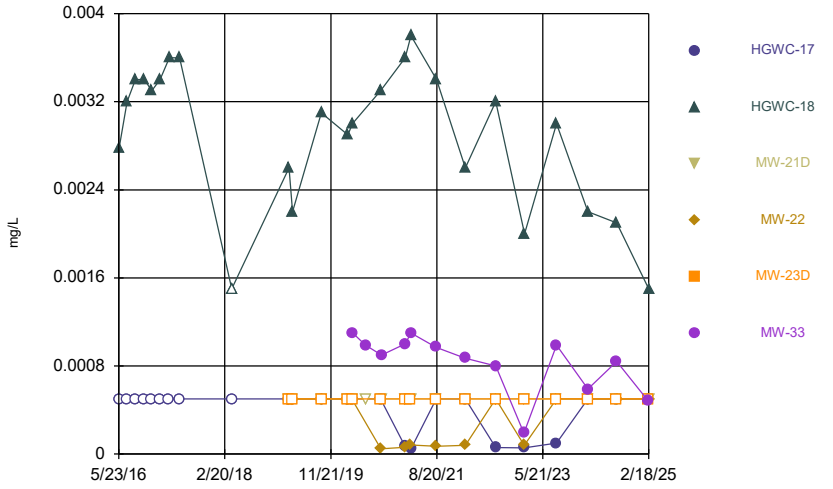
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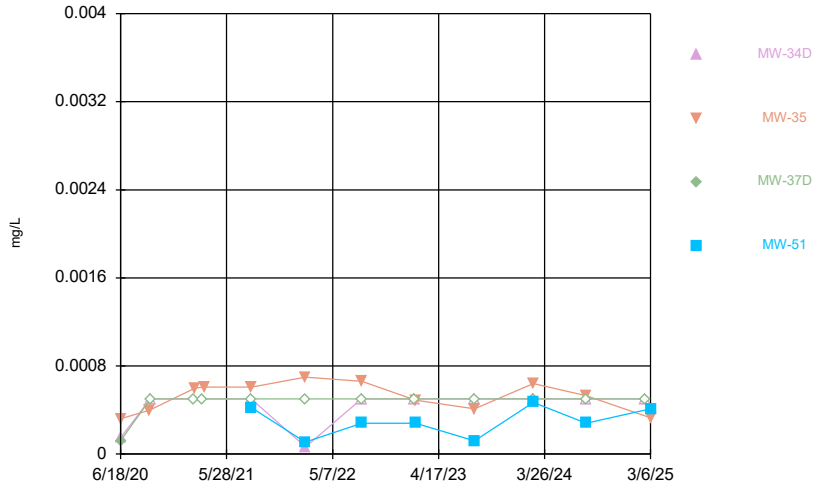
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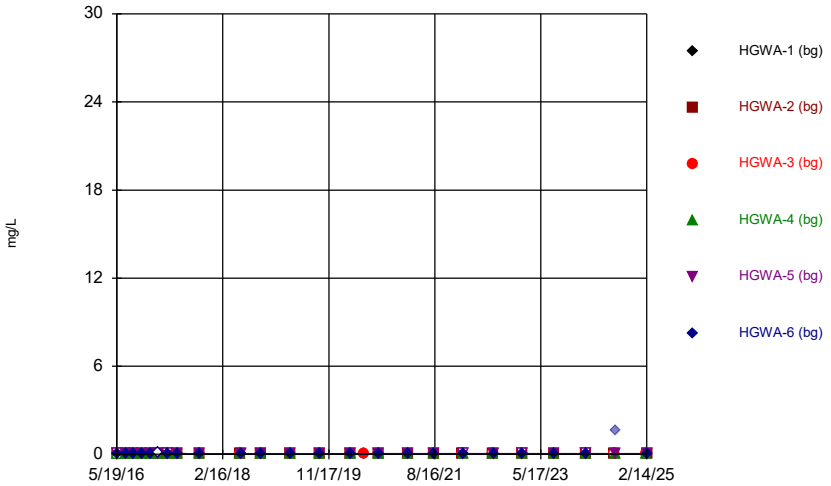
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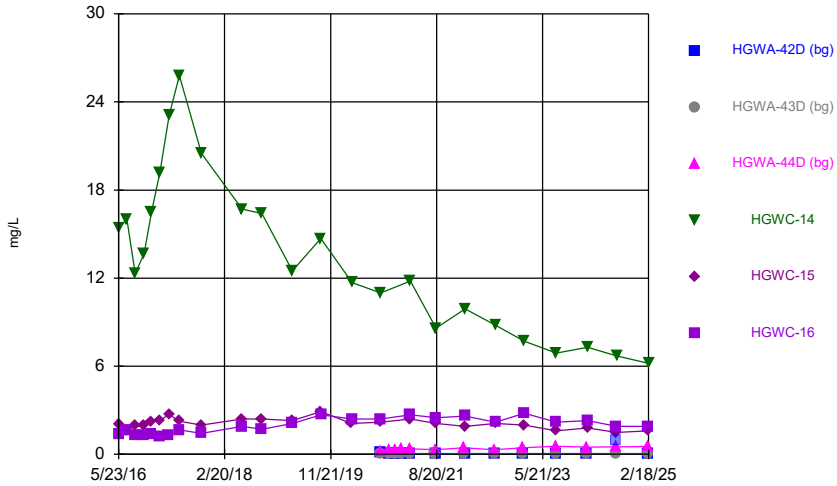
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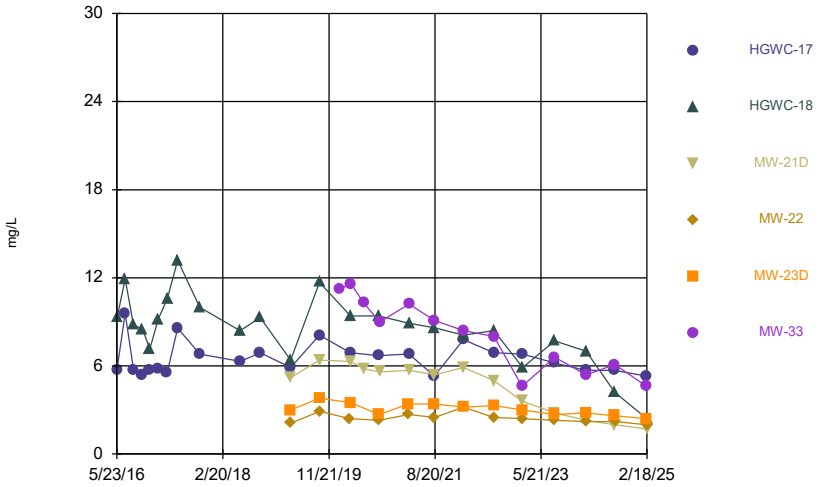
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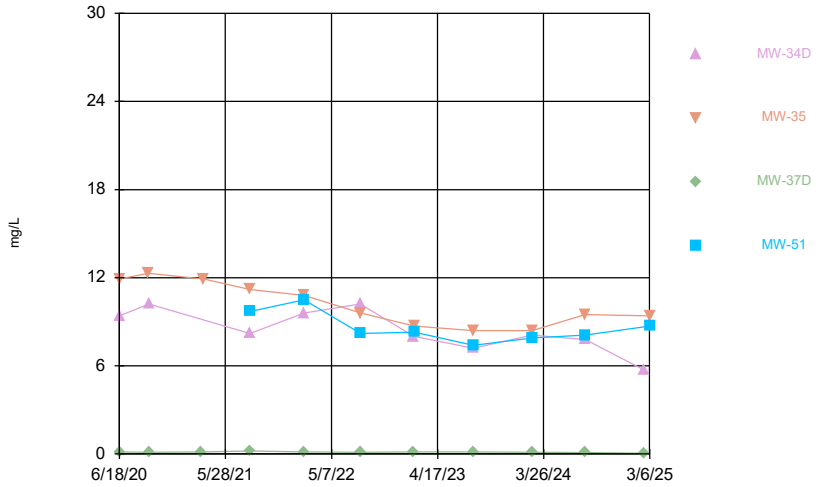
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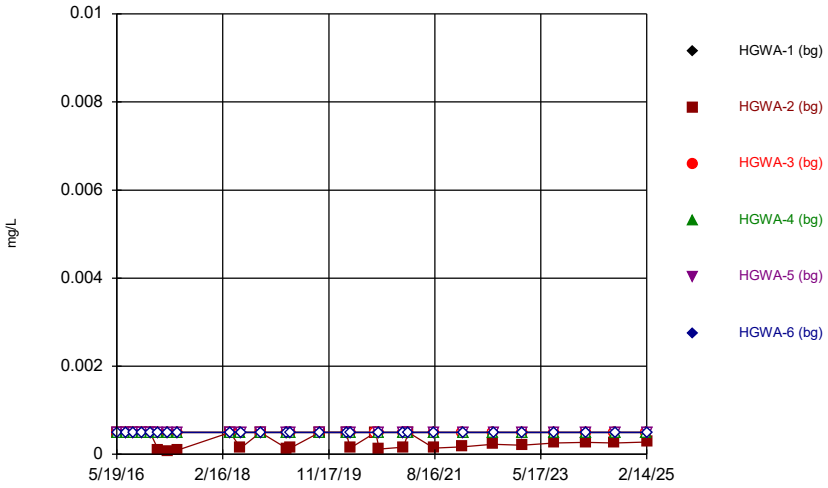
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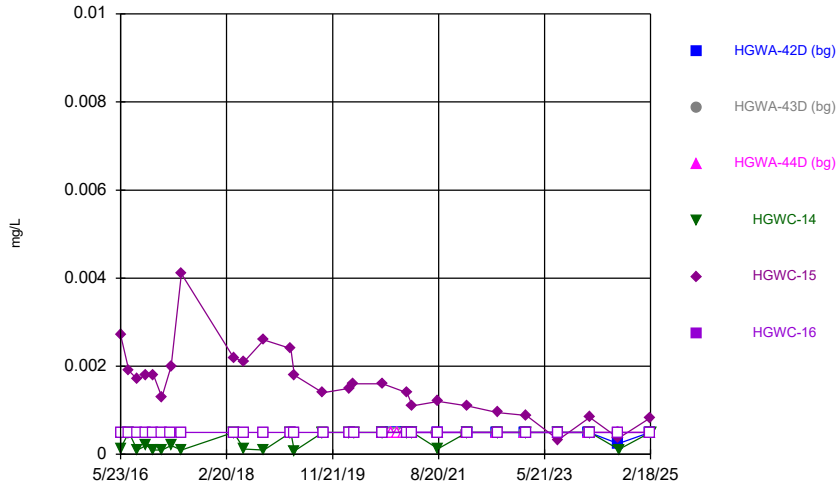
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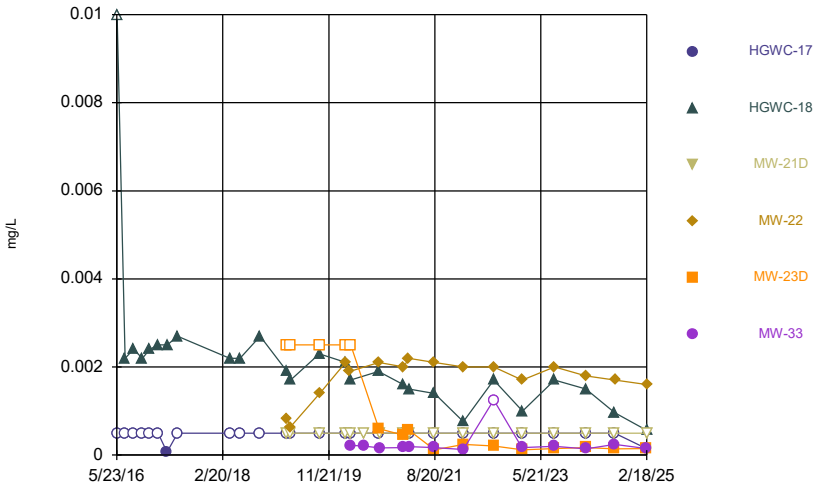
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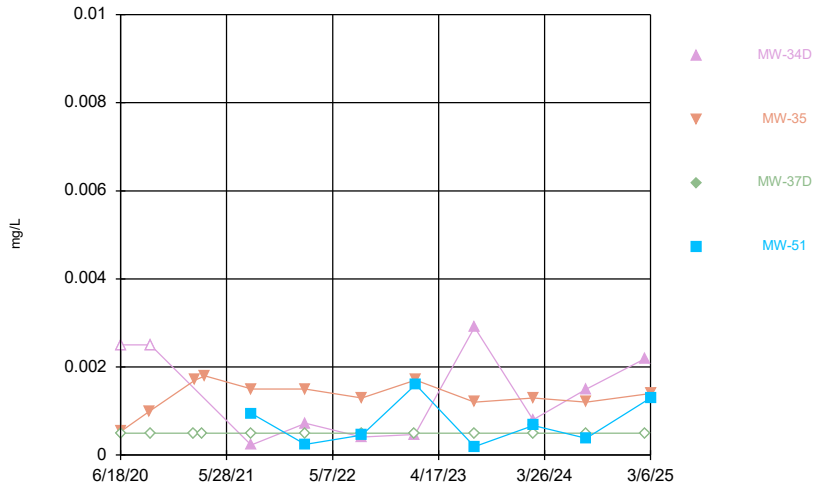
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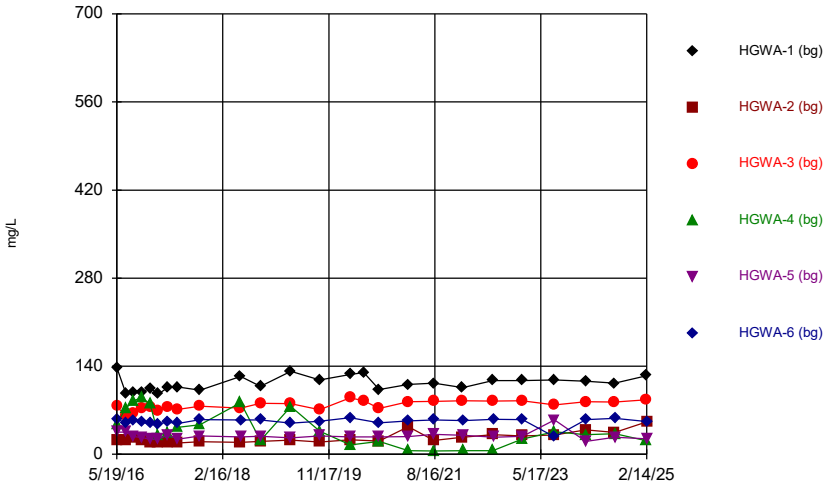
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Time Series



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Plant Hammond Client: Southern Company Data: Hammond AP2

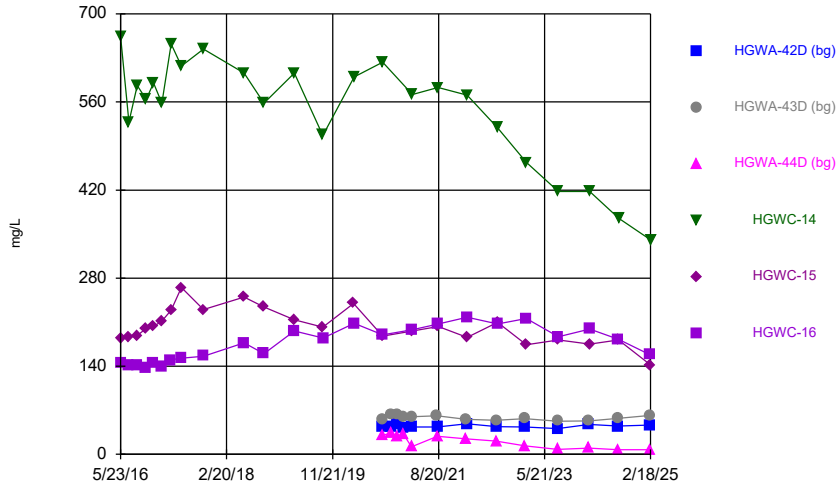
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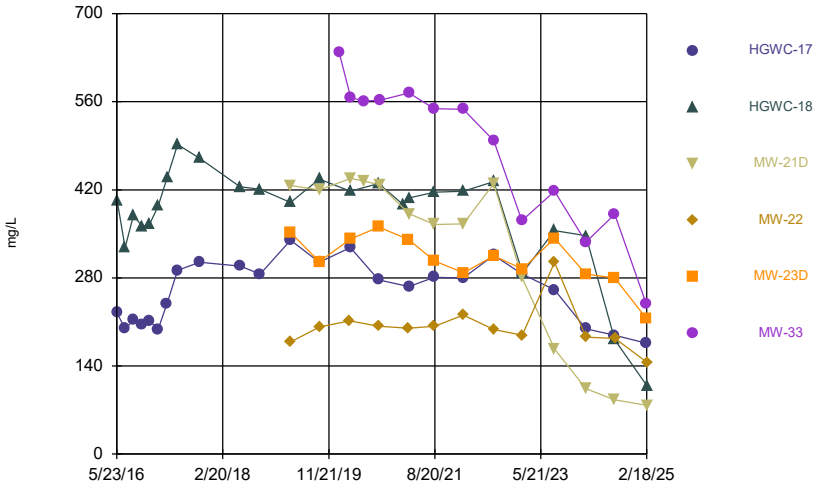
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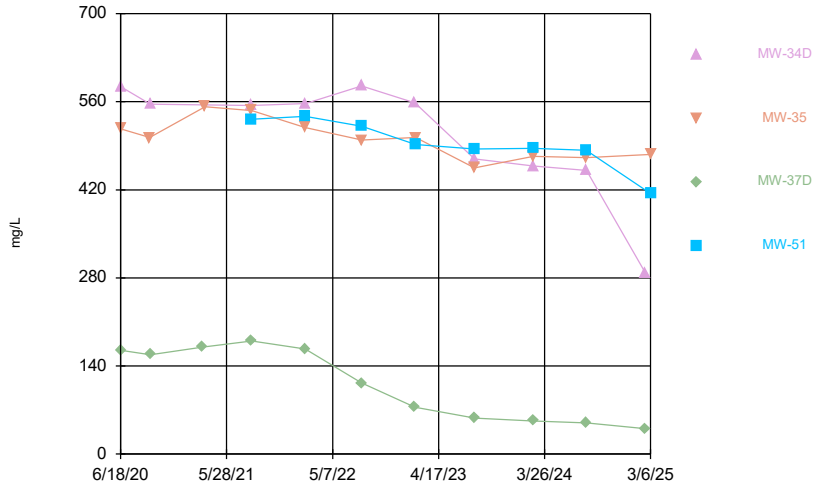
Time Series



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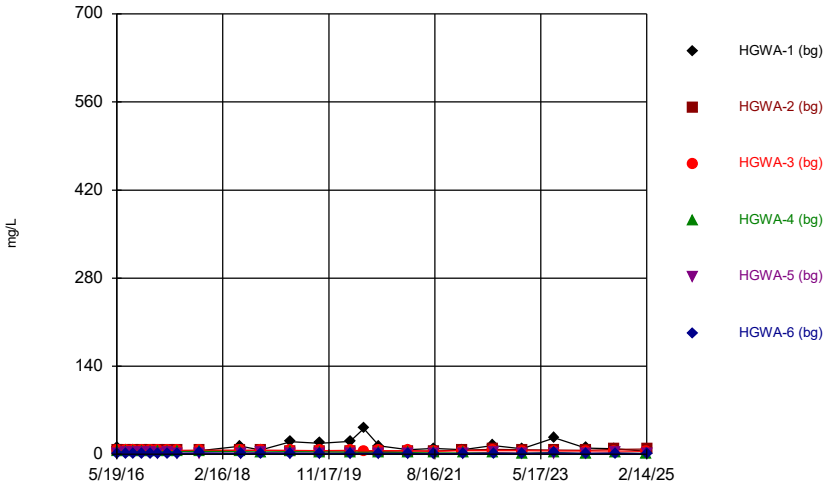
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Time Series



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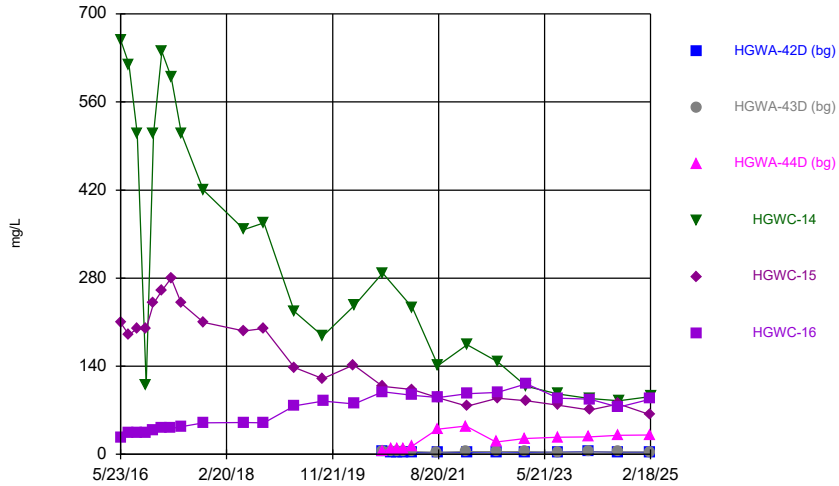
Time Series



Constituent: Chloride Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
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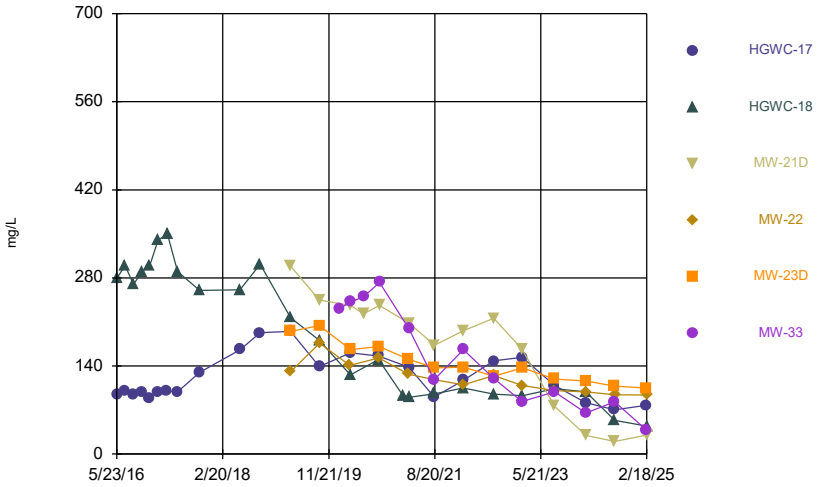
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Constituent: Chloride Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

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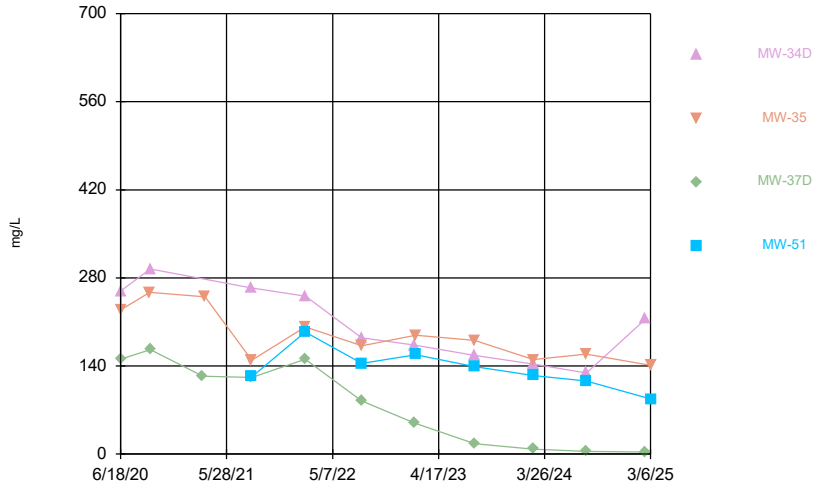
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Constituent: Chloride Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

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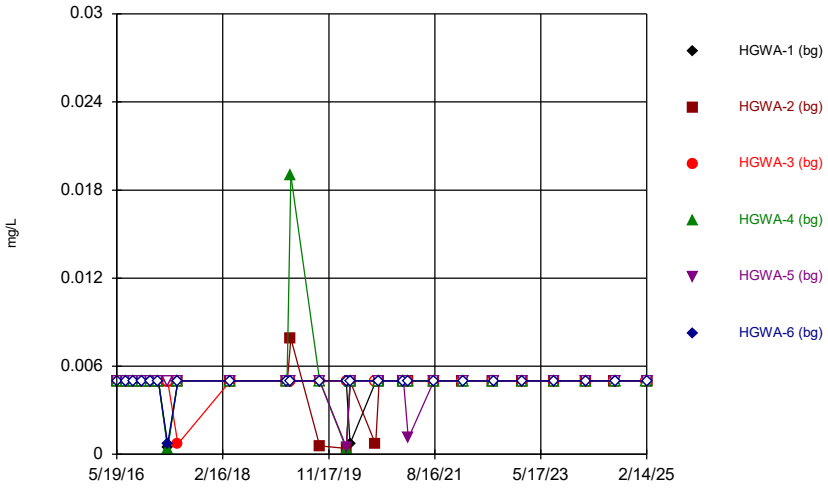
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Plant Hammond Client: Southern Company Data: Hammond AP2

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Hollow symbols indicate censored values.

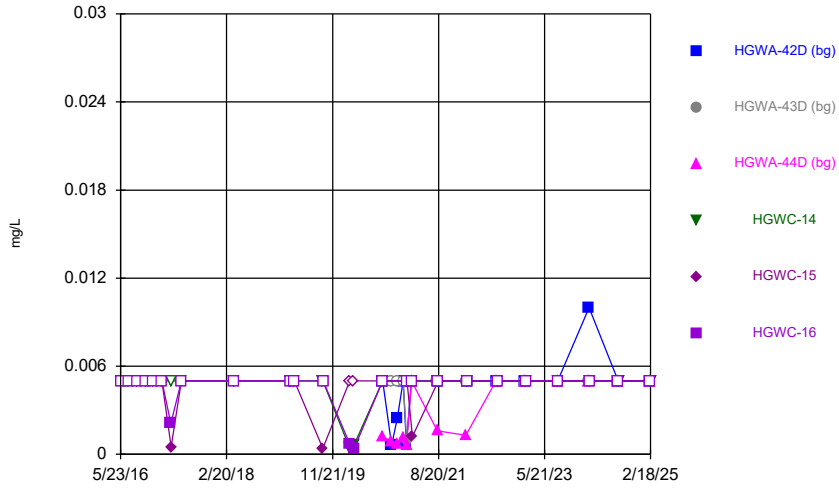
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Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

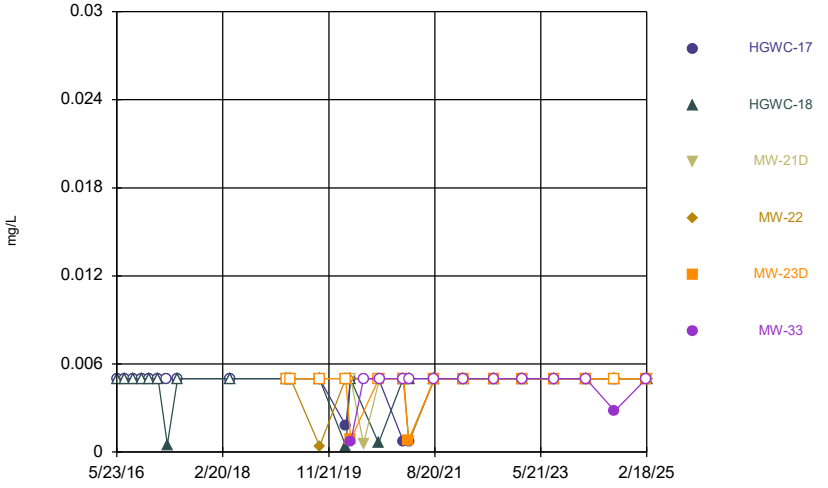
Time Series



Constituent: Chromium Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

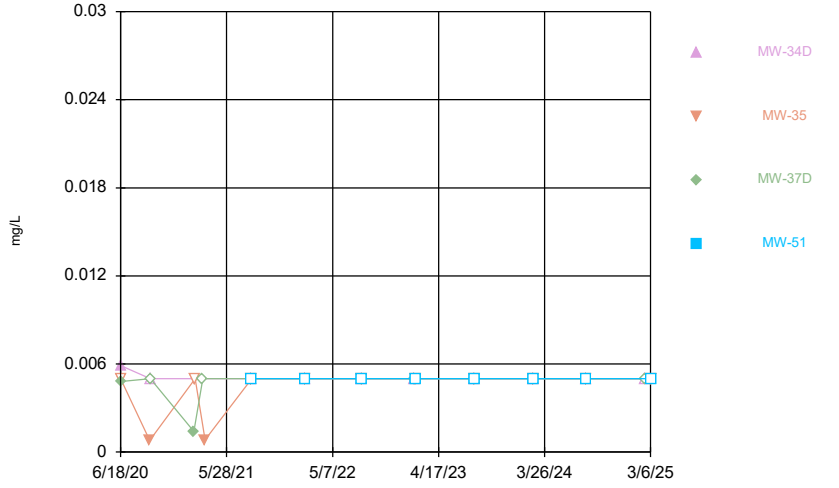
Time Series



Constituent: Chromium Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

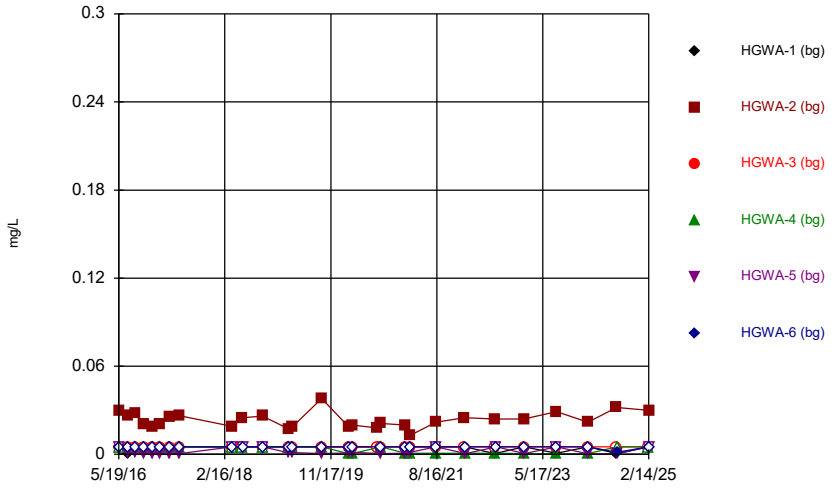
Time Series



Constituent: Chromium Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

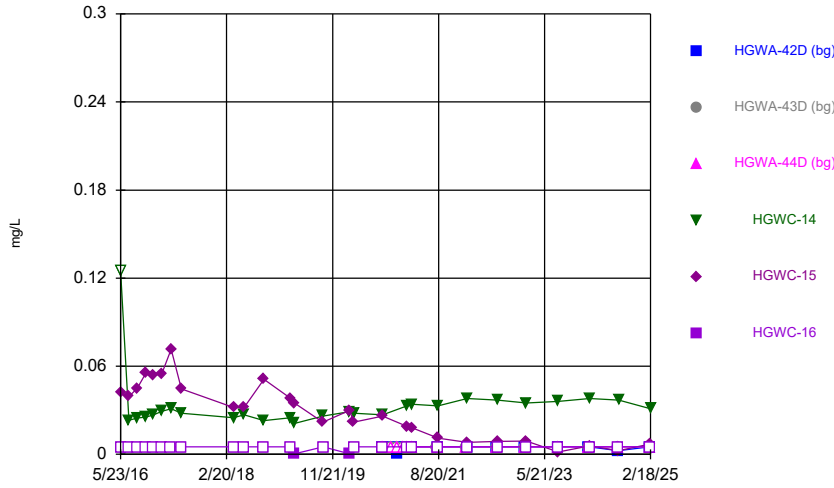
Time Series



Constituent: Cobalt Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

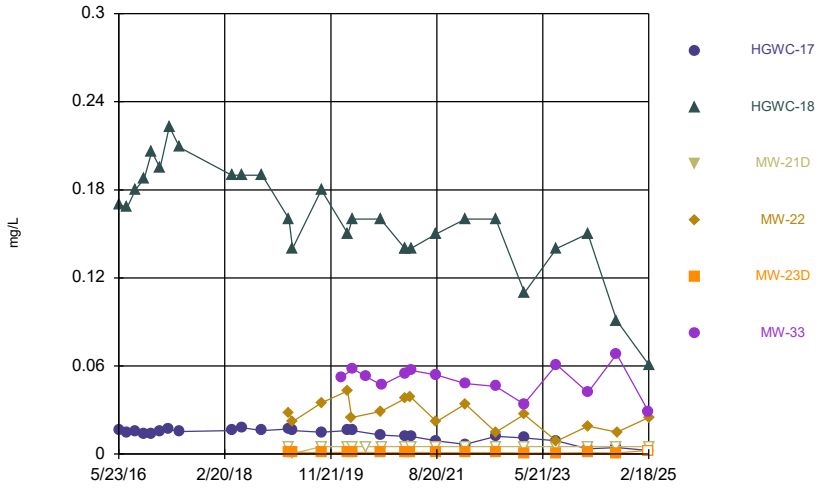
Time Series



Constituent: Cobalt Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

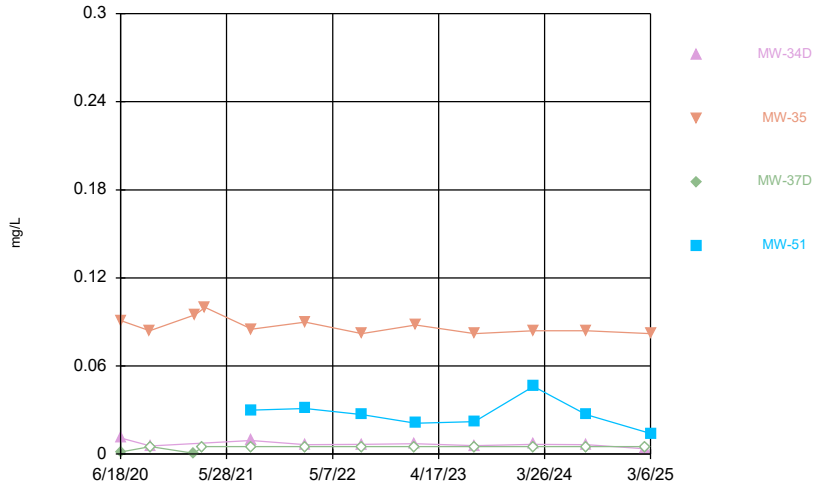
Time Series



Constituent: Cobalt Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

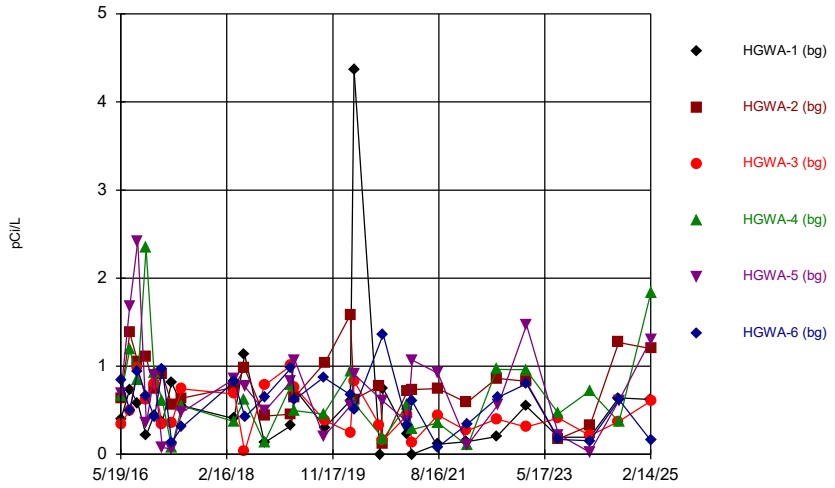
Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Cobalt Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

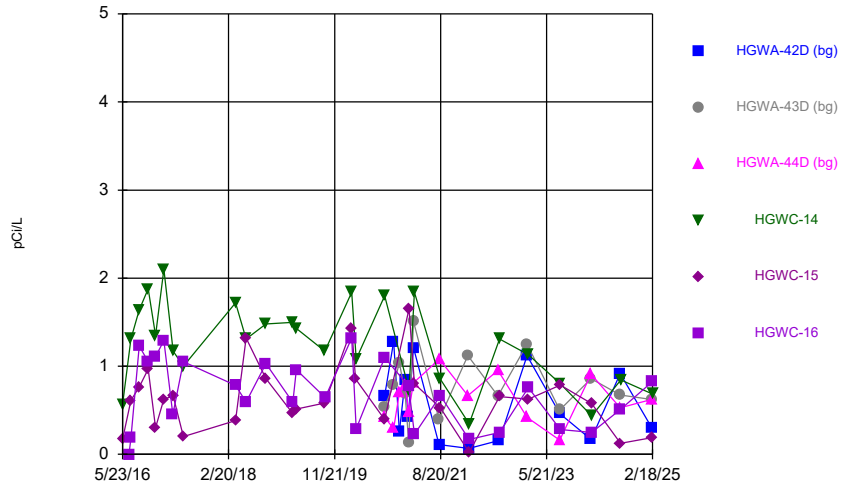
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

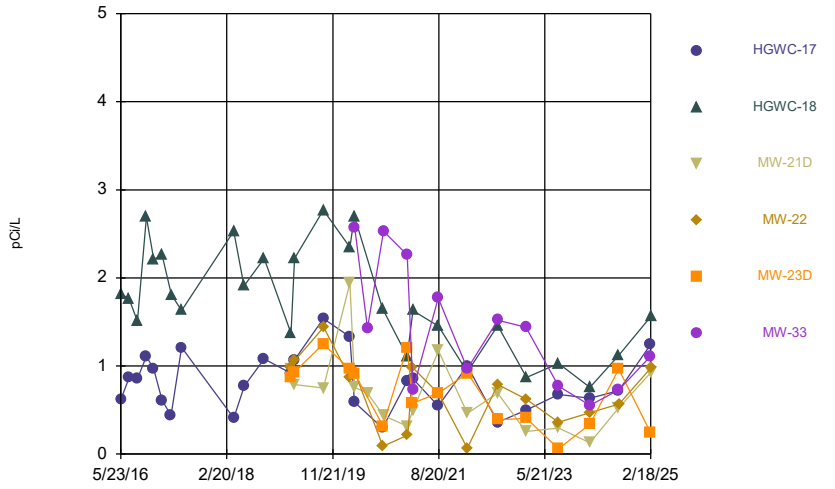
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

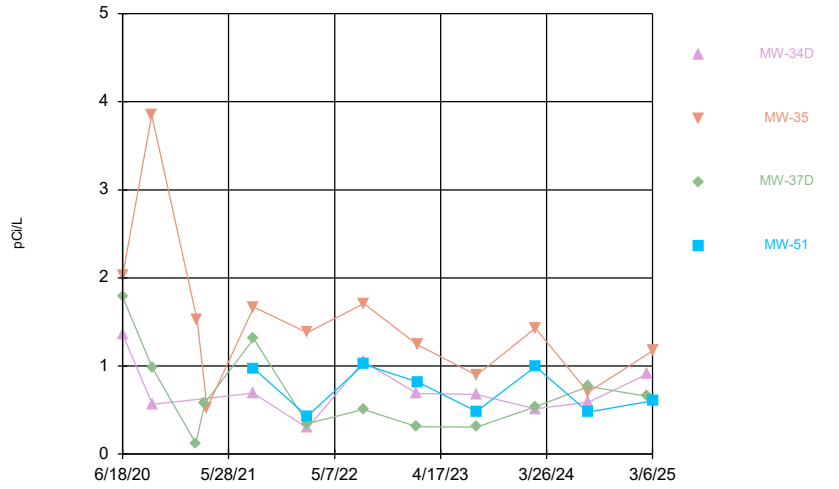
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

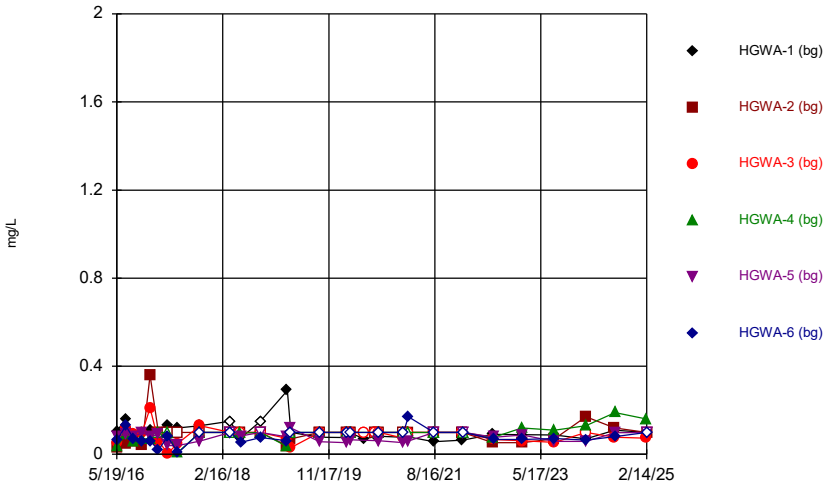
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

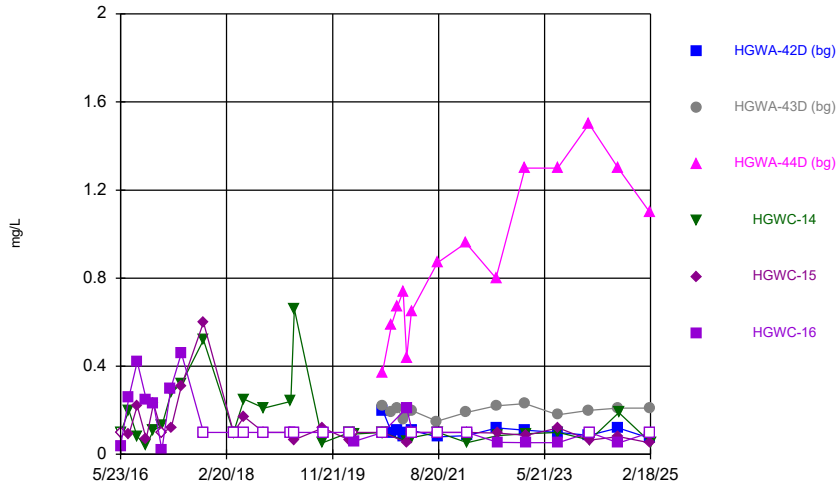
Time Series



Constituent: Fluoride Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

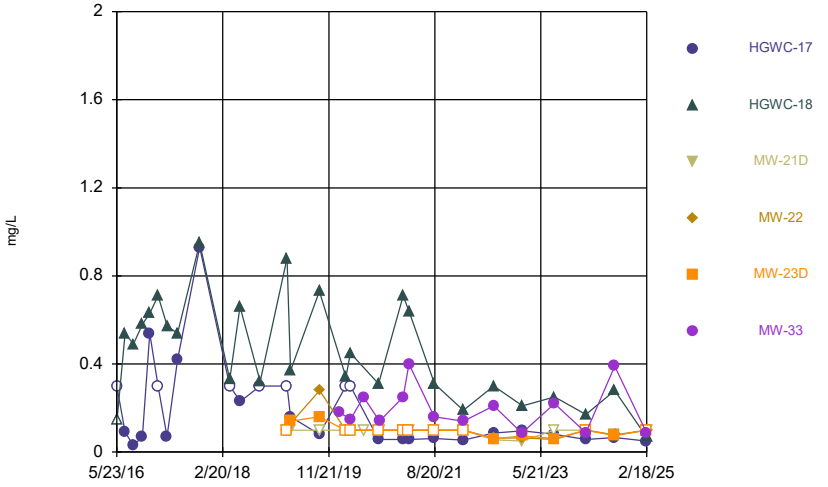
Time Series



Constituent: Fluoride Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

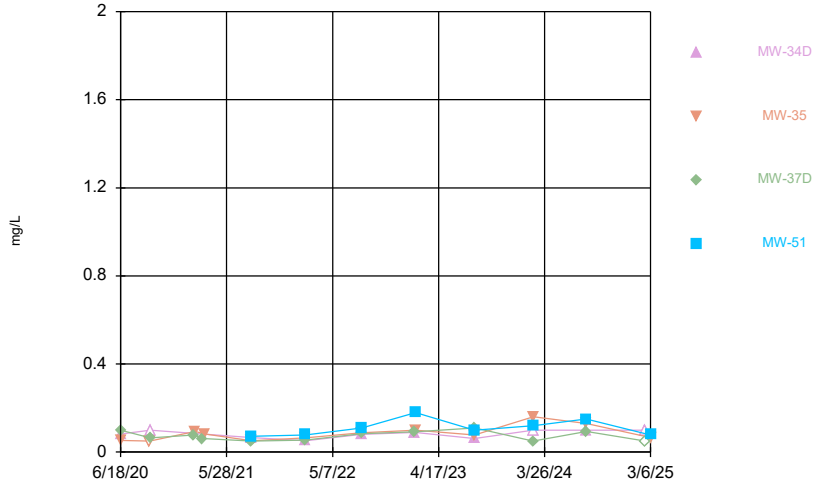
Time Series



Constituent: Fluoride Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

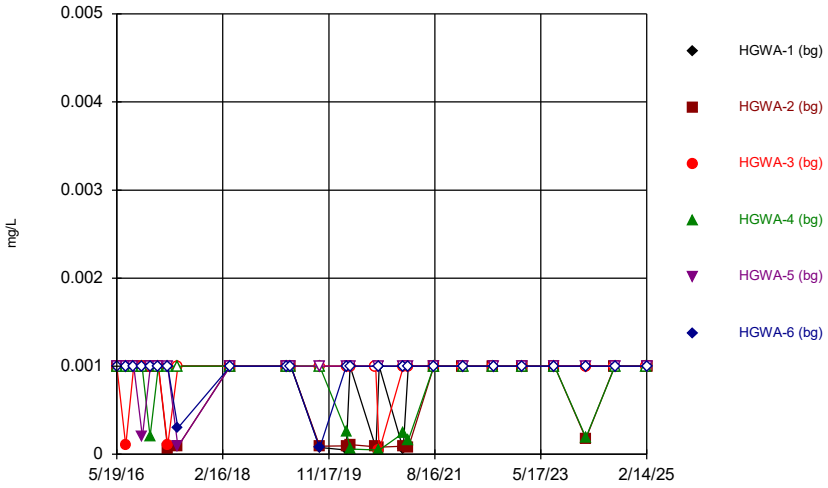
Time Series



Constituent: Fluoride Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
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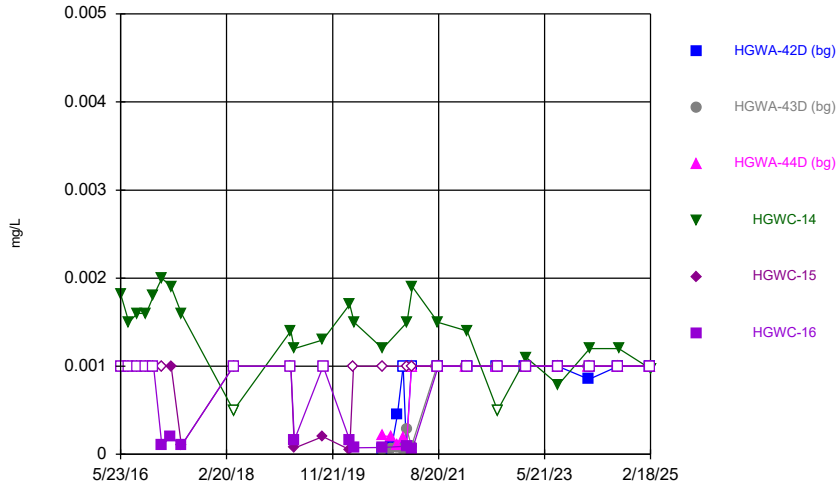
Time Series



Constituent: Lead Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

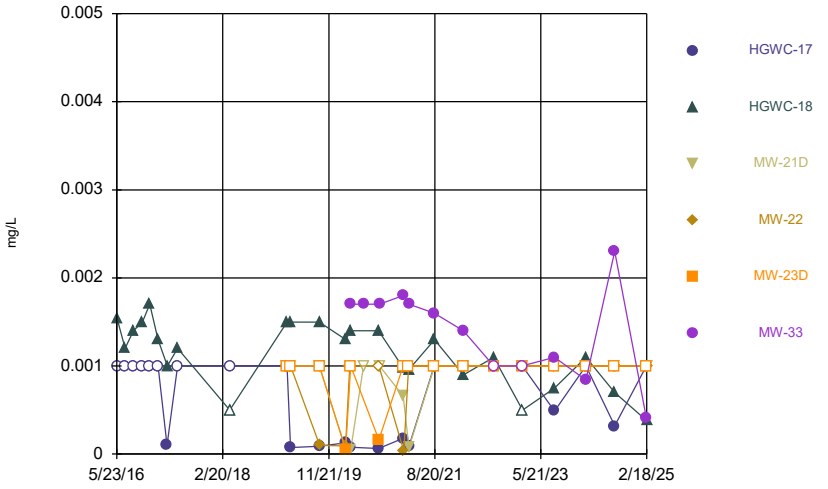
Time Series



Constituent: Lead Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
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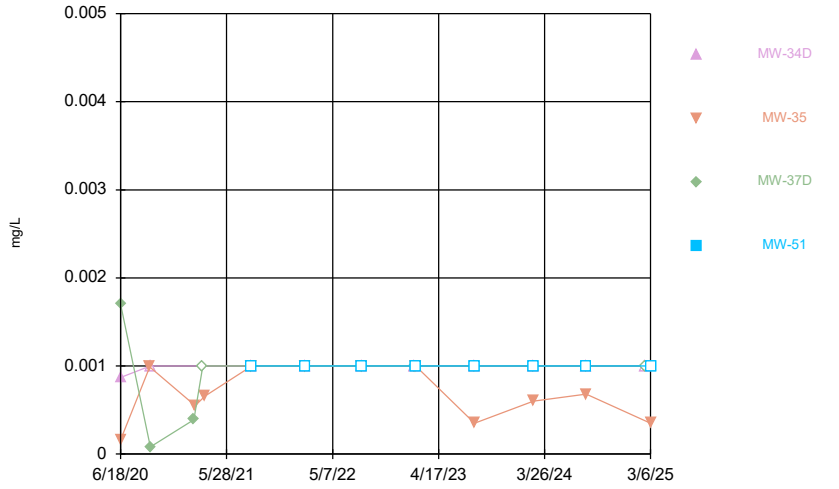
Time Series



Constituent: Lead Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

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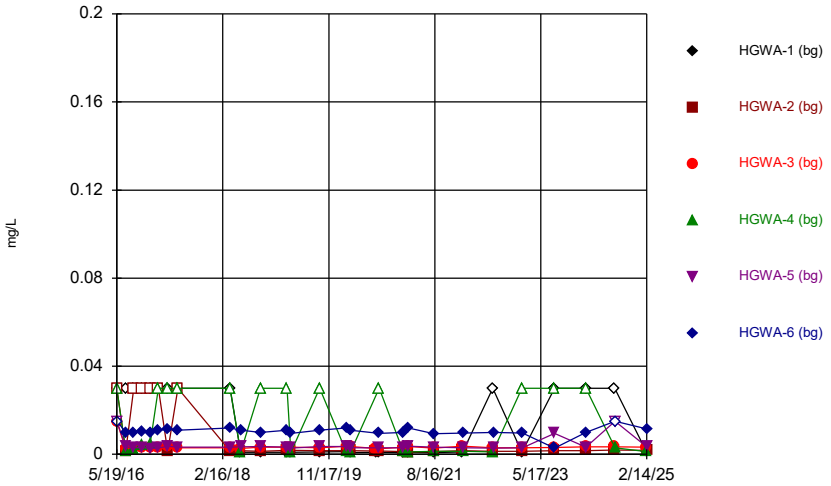
Time Series



Constituent: Lead Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

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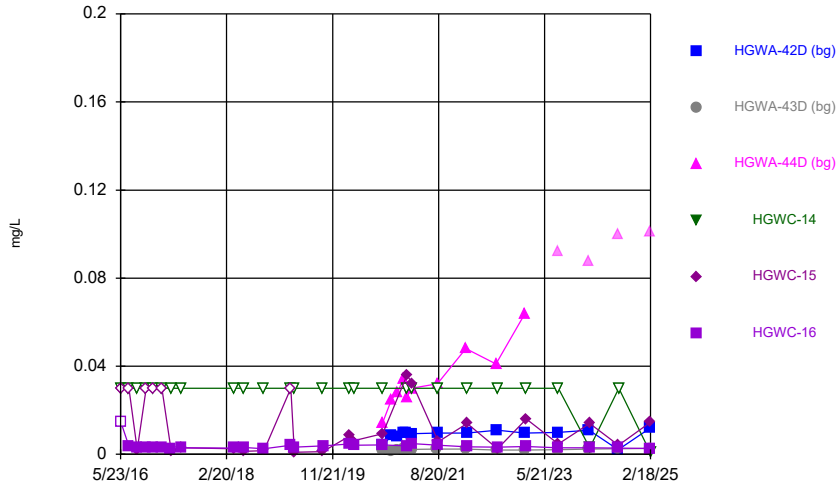
Time Series



Constituent: Lithium Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

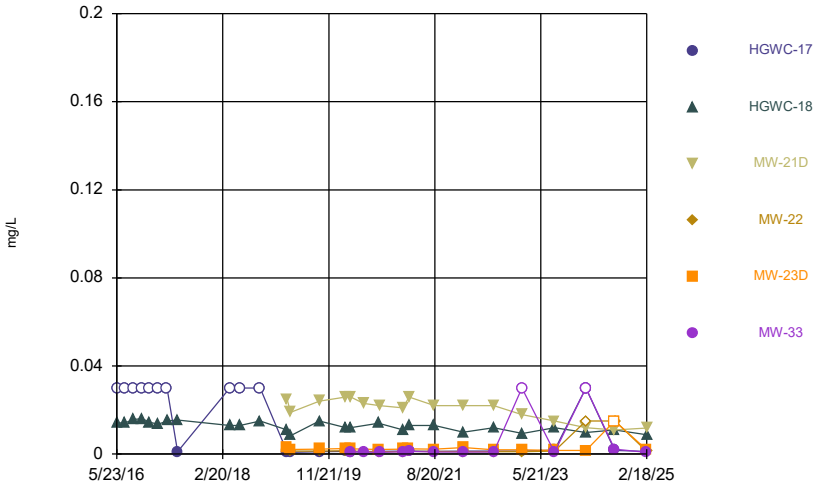
Time Series



Constituent: Lithium Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

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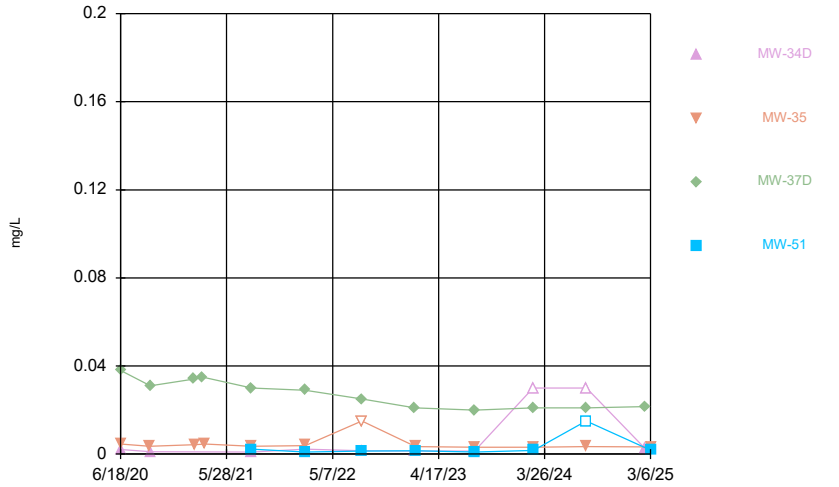
Time Series



Constituent: Lithium Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
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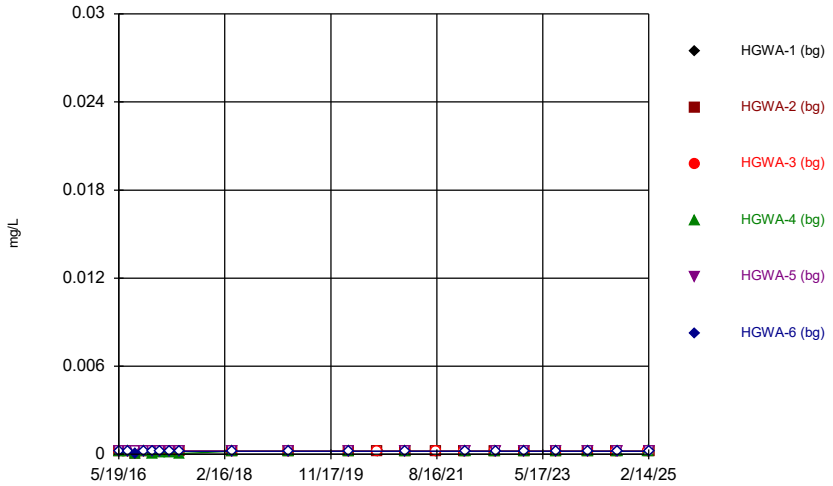
Time Series



Constituent: Lithium Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

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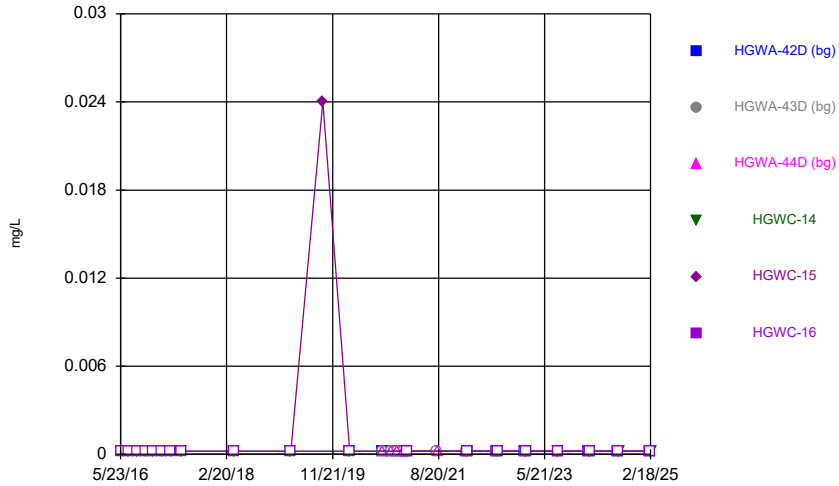
Time Series



Constituent: Mercury Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

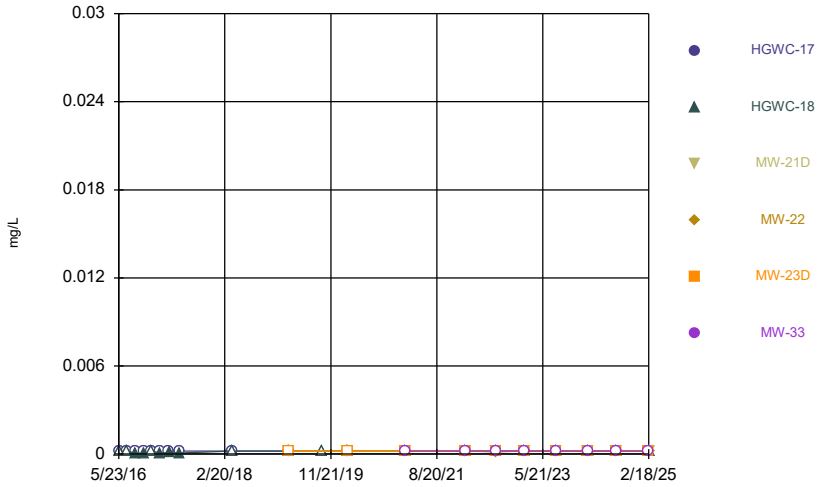
Time Series



Constituent: Mercury Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
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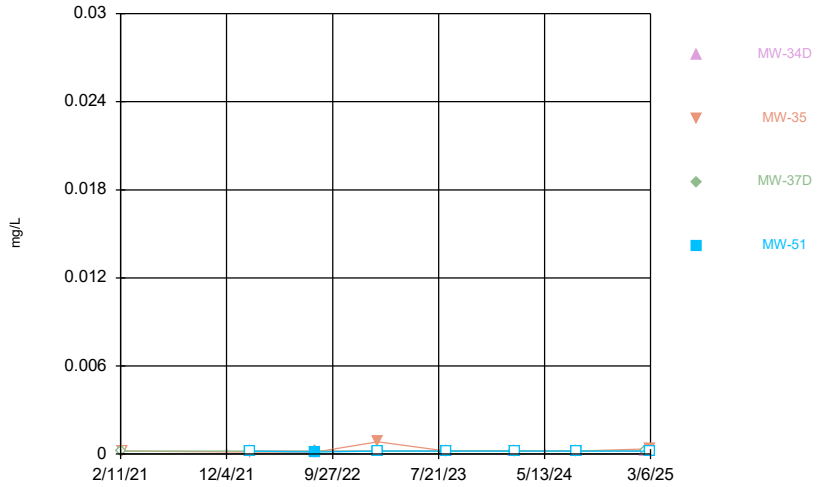
Time Series



Constituent: Mercury Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
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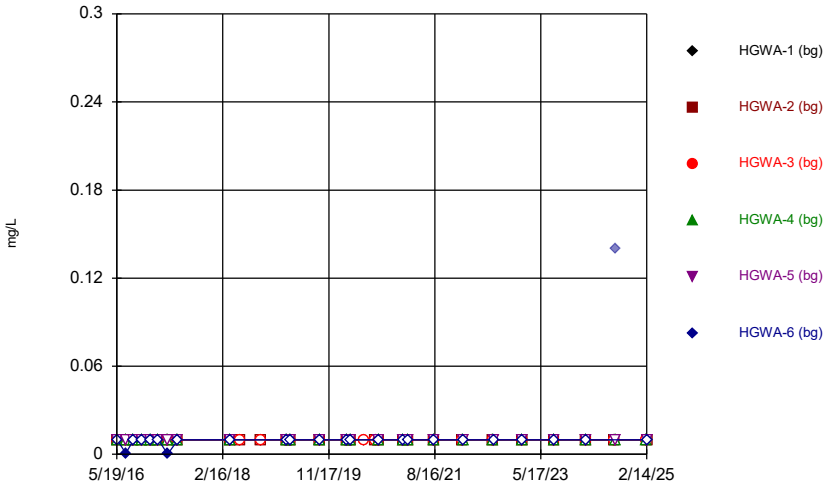
Time Series



Constituent: Mercury Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

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Hollow symbols indicate censored values.

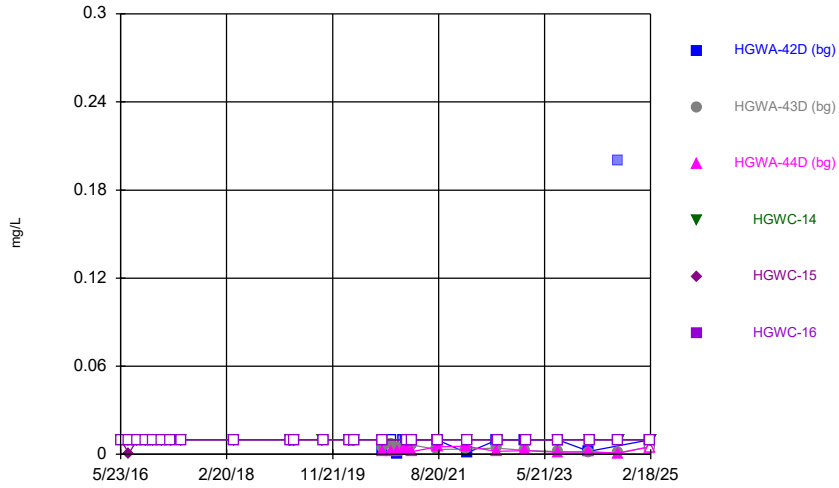
Time Series



Constituent: Molybdenum Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

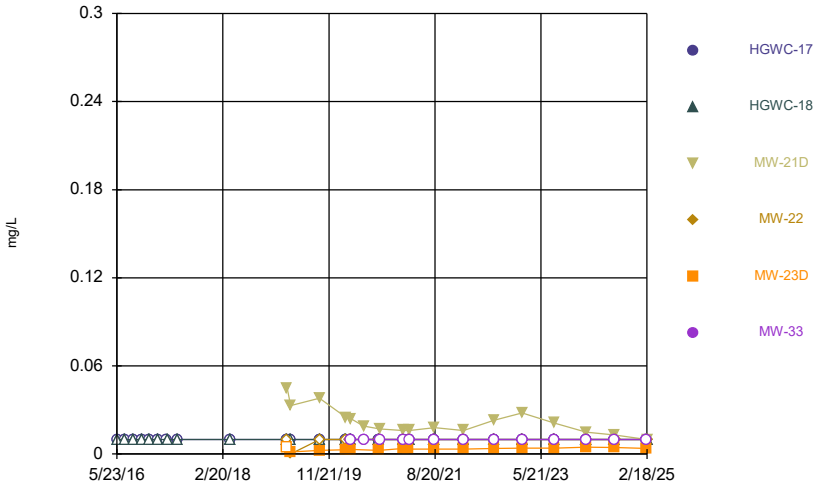
Time Series



Constituent: Molybdenum Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

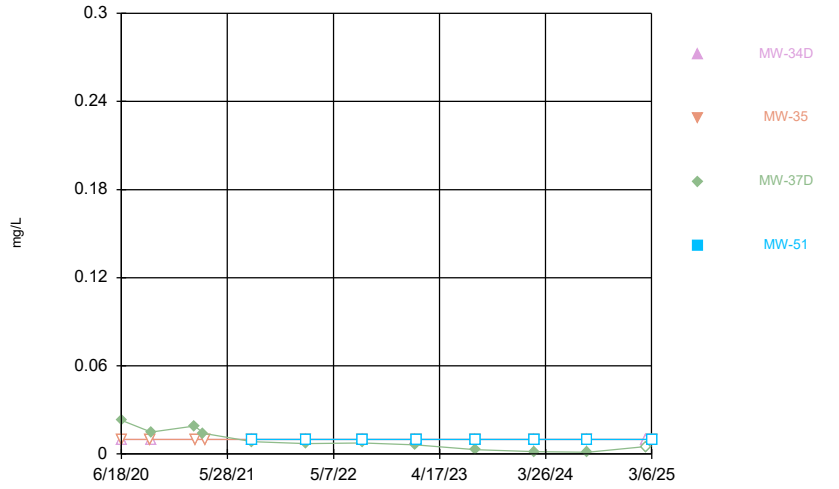
Time Series



Constituent: Molybdenum Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

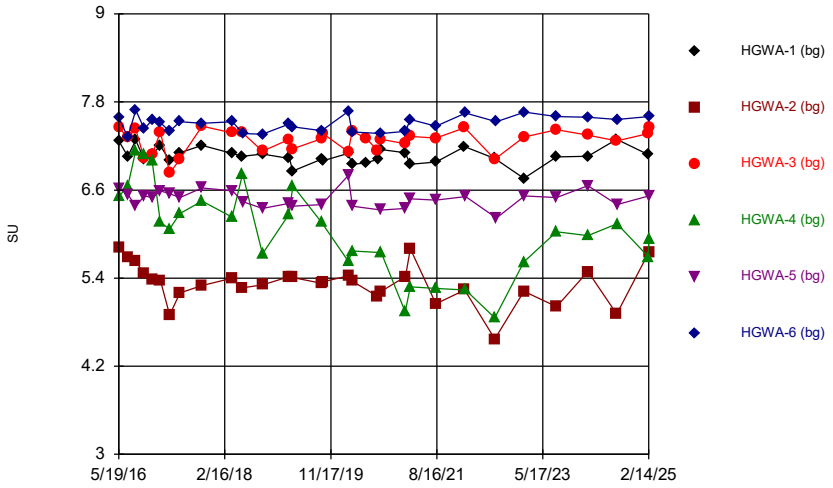
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Hollow symbols indicate censored values.

Time Series



Constituent: Molybdenum Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

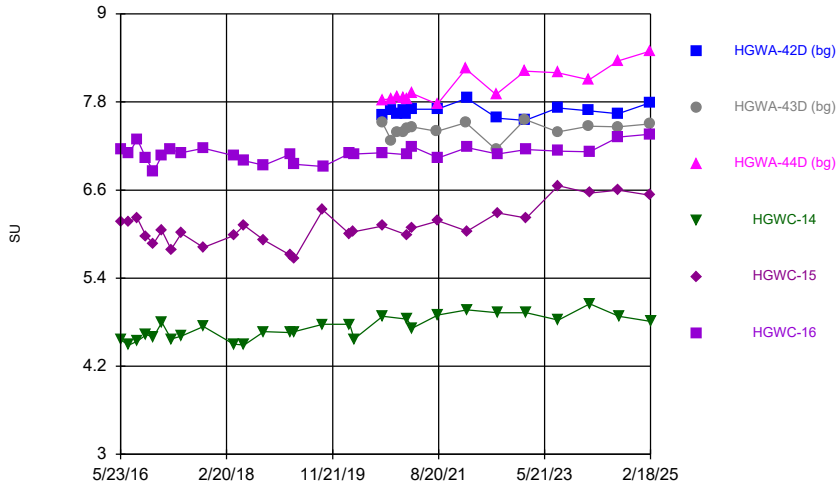
Time Series



Constituent: pH, Field Analysis Run 4/30/2025 7:27 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

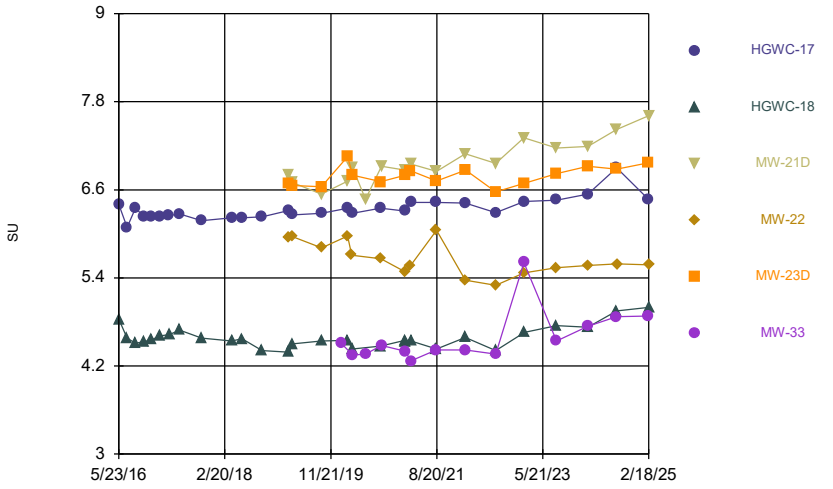
Time Series



Constituent: pH, Field Analysis Run 4/30/2025 7:28 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

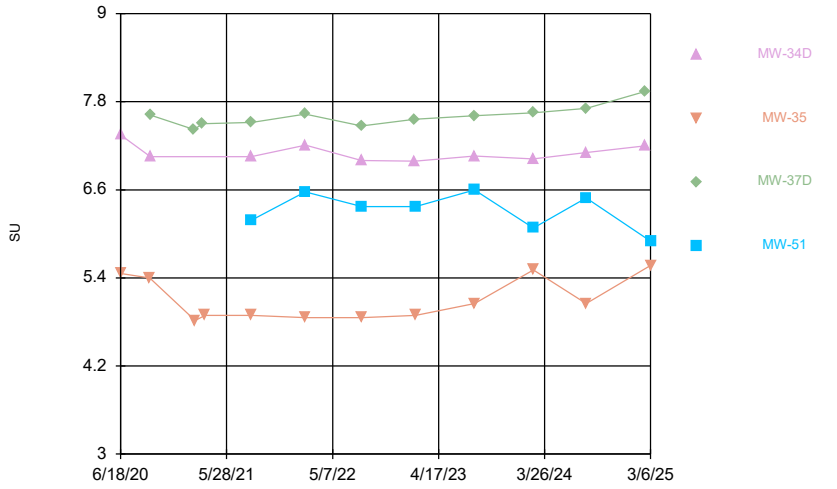
Time Series



Constituent: pH, Field Analysis Run 4/30/2025 7:28 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

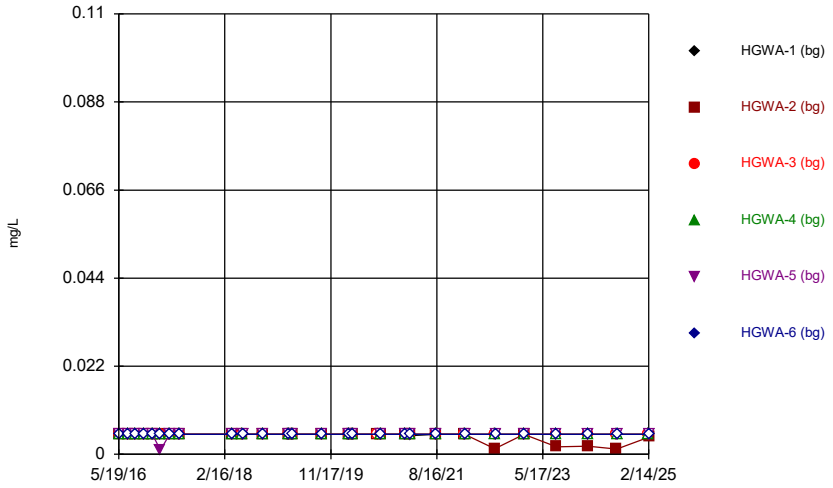
Time Series



Constituent: pH, Field Analysis Run 4/30/2025 7:28 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

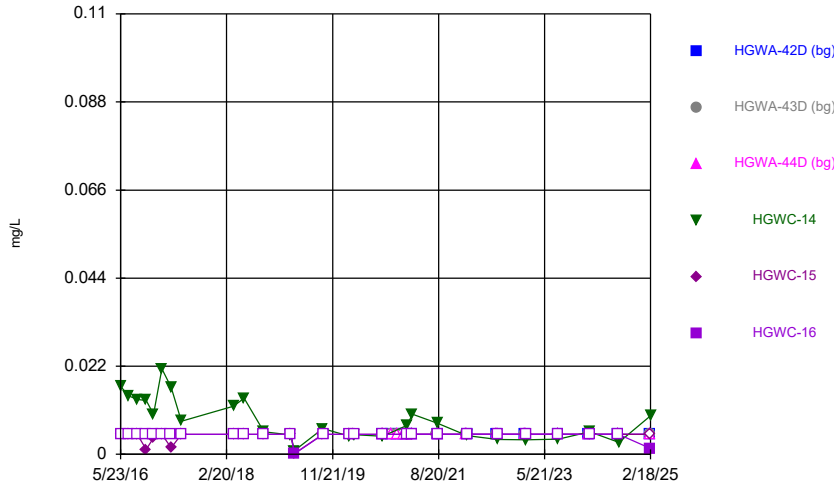
Time Series



Constituent: Selenium Analysis Run 4/30/2025 7:28 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

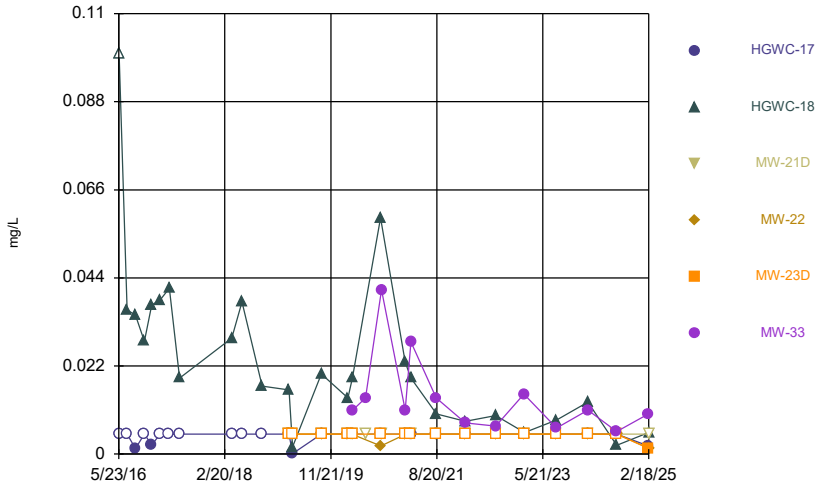
Time Series



Constituent: Selenium Analysis Run 4/30/2025 7:28 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

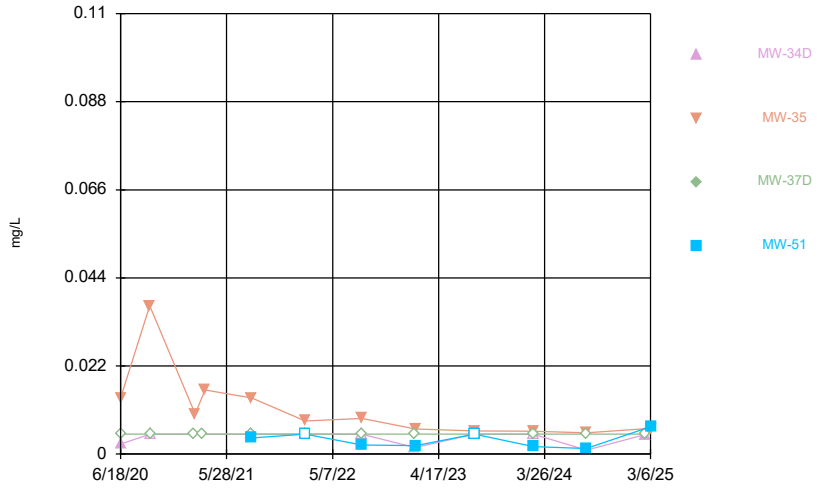
Time Series



Constituent: Selenium Analysis Run 4/30/2025 7:28 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

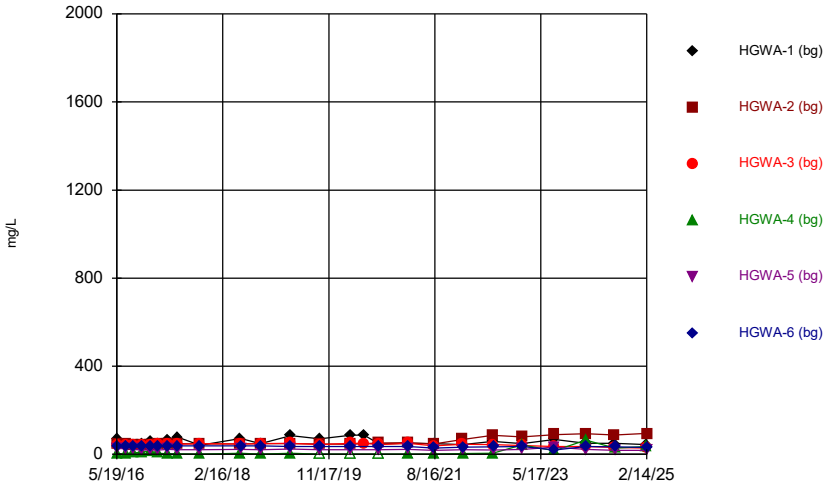
Time Series



Constituent: Selenium Analysis Run 4/30/2025 7:28 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

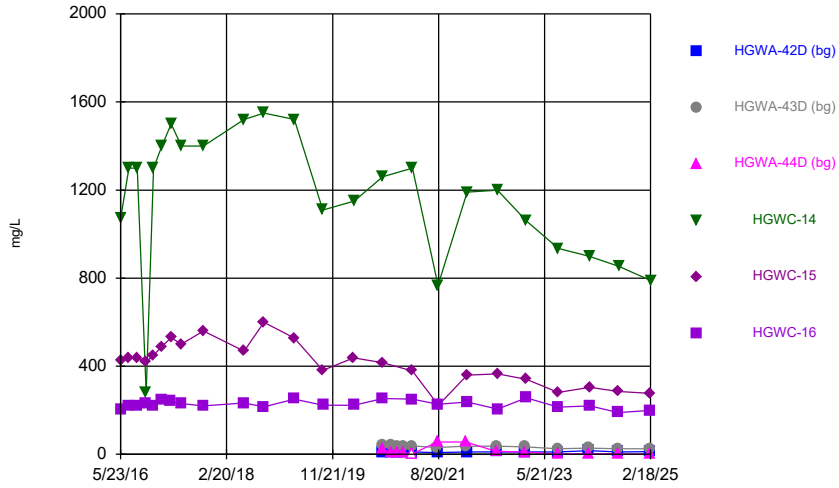
Time Series



Constituent: Sulfate Analysis Run 4/30/2025 7:28 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

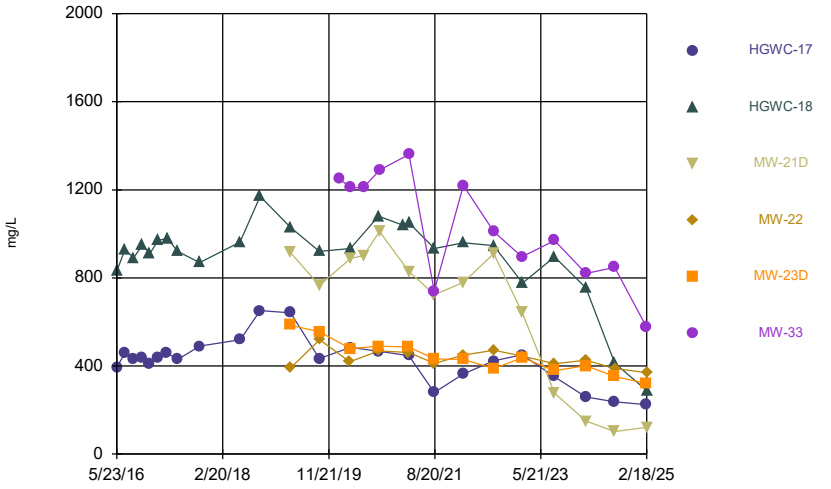
Time Series



Constituent: Sulfate Analysis Run 4/30/2025 7:28 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

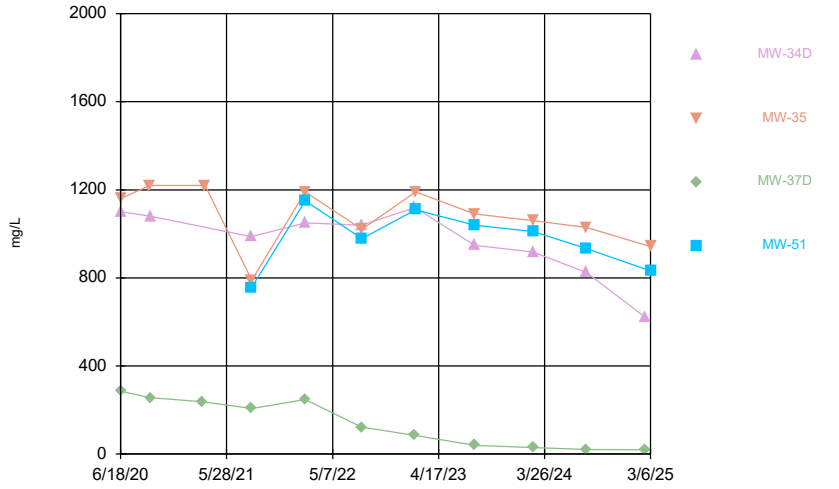
Time Series



Constituent: Sulfate Analysis Run 4/30/2025 7:28 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

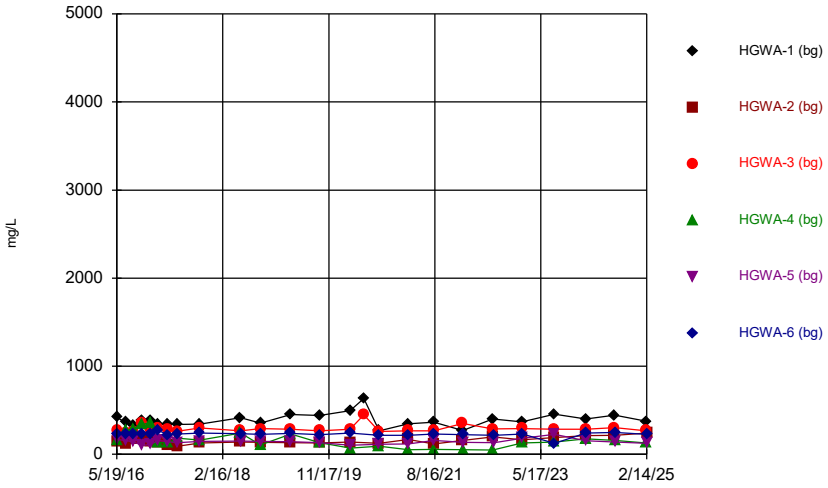
Time Series



Constituent: Sulfate Analysis Run 4/30/2025 7:28 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

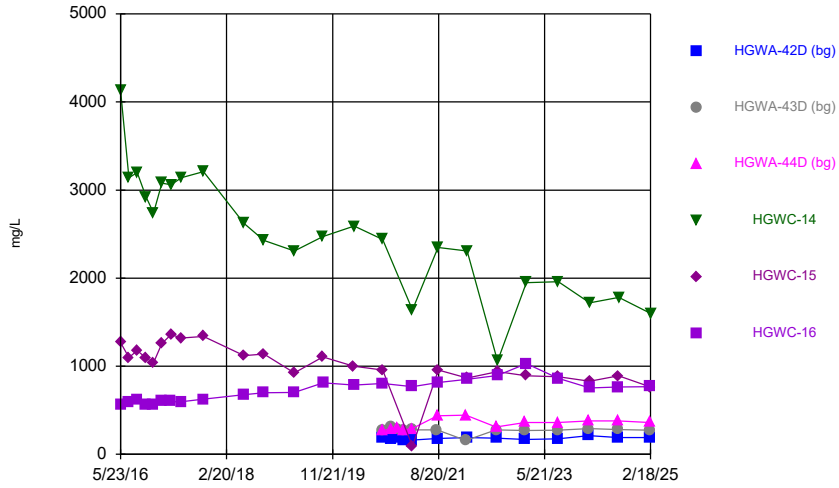
Time Series



Constituent: TDS Analysis Run 4/30/2025 7:28 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

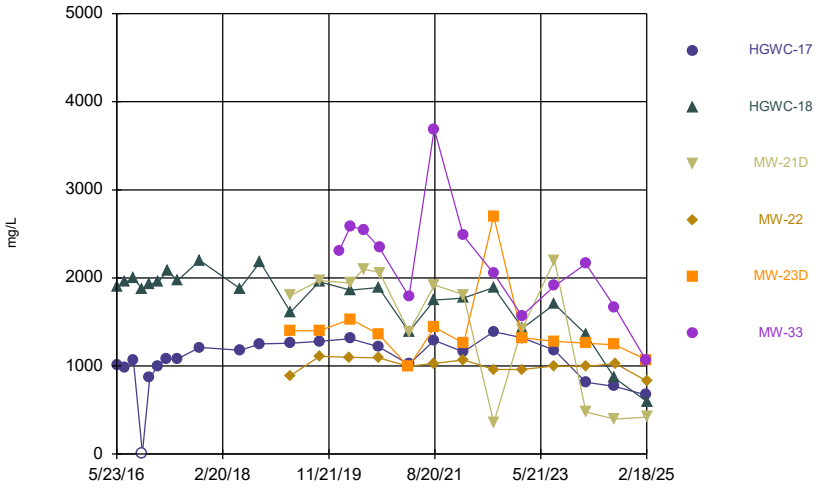
Time Series



Constituent: TDS Analysis Run 4/30/2025 7:28 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

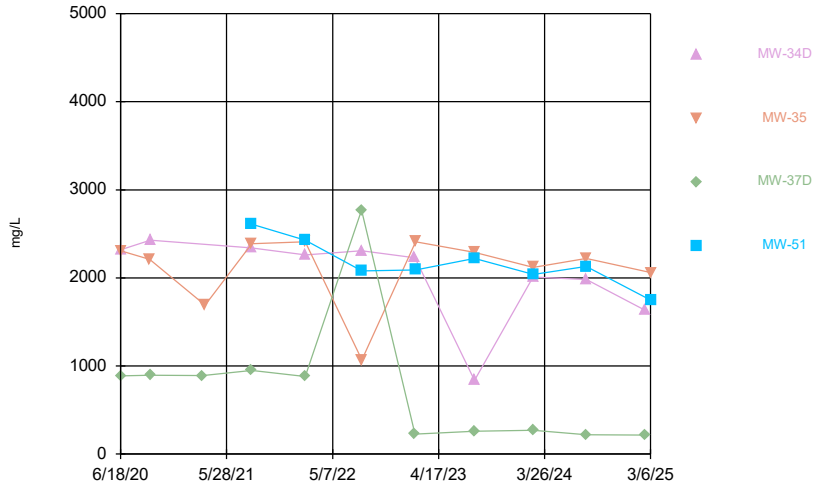
Time Series



Constituent: TDS Analysis Run 4/30/2025 7:28 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

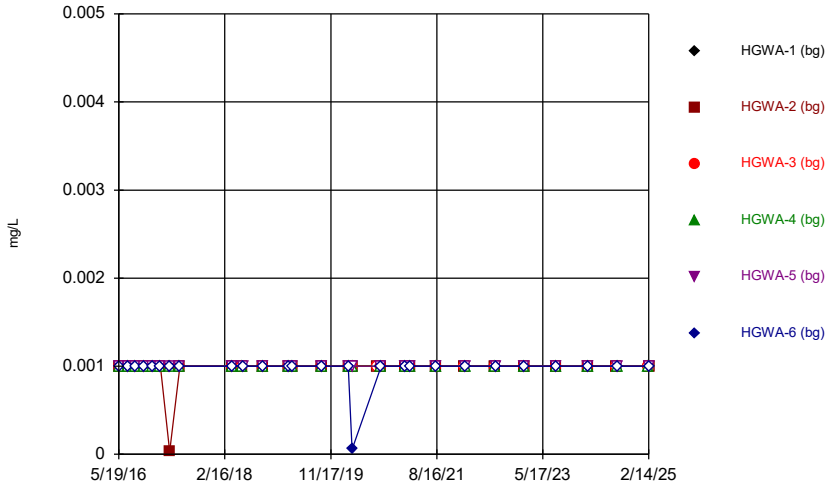
Time Series



Constituent: TDS Analysis Run 4/30/2025 7:28 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

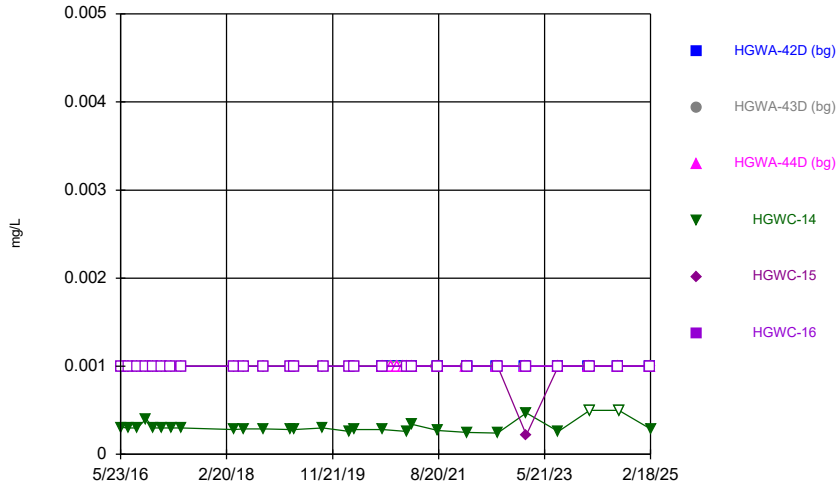
Time Series



Constituent: Thallium Analysis Run 4/30/2025 7:28 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

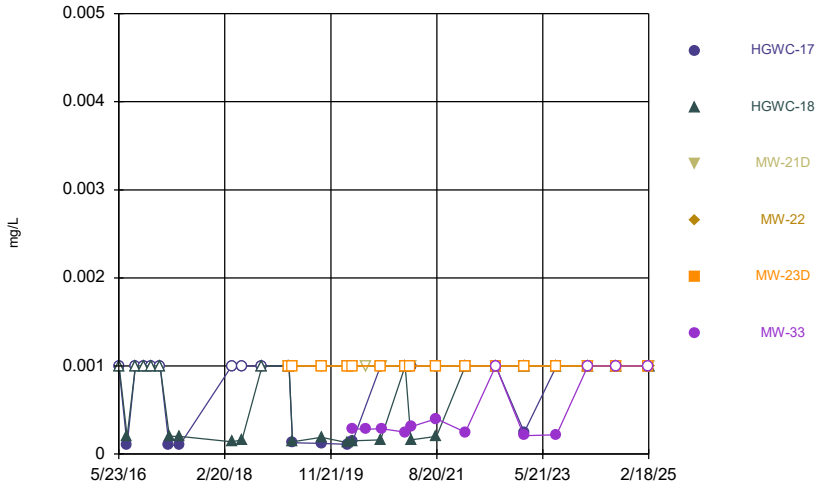
Time Series



Constituent: Thallium Analysis Run 4/30/2025 7:28 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

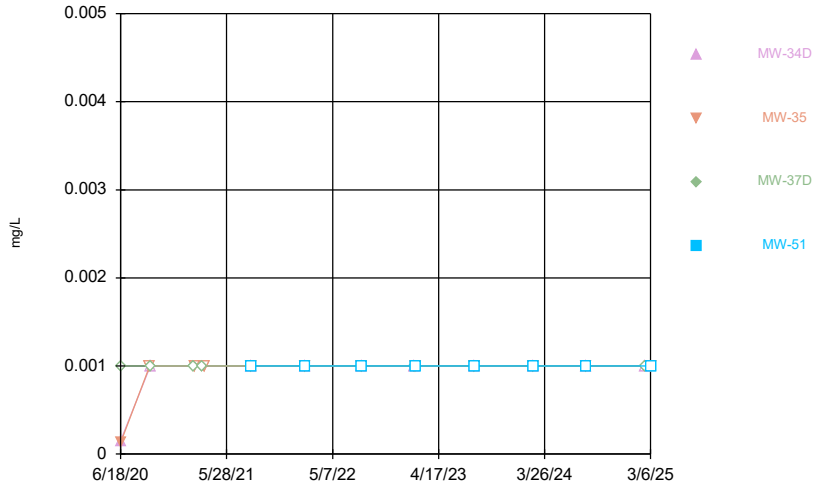
Time Series



Constituent: Thallium Analysis Run 4/30/2025 7:28 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Thallium Analysis Run 4/30/2025 7:28 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)	HGWA-6 (bg)
5/19/2016	<0.003	<0.003	<0.003	<0.003	<0.003	
5/20/2016						<0.003
7/11/2016	<0.003	<0.003		<0.003	<0.003	0.001 (J)
7/12/2016			0.0003 (J)			
8/30/2016	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
10/19/2016	0.0014 (J)	<0.003	<0.003	<0.003		
10/20/2016					0.0023 (J)	<0.003
12/6/2016	<0.003	<0.003	<0.003	<0.003		
12/8/2016					<0.003	<0.003
1/24/2017	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/21/2017	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
5/22/2017	<0.003	<0.003	<0.003			
5/23/2017				<0.003	<0.003	<0.003
4/2/2018	<0.003	<0.003		<0.003		
4/3/2018			<0.003		<0.003	<0.003
3/11/2019				<0.003		
3/12/2019	<0.003	<0.003	<0.003		<0.003	<0.003
4/1/2019			<0.003			
4/2/2019	<0.003	<0.003				
9/23/2019	<0.003	<0.003	<0.003			
3/2/2020	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/25/2020	<0.003	<0.003	<0.003			
8/25/2020		<0.003	<0.003			
8/28/2020	<0.003					
9/15/2020	<0.003	<0.003	<0.003			
2/8/2021	<0.003			<0.003		
2/9/2021		0.00062 (J)	0.00031 (J)		<0.003	<0.003
3/10/2021	<0.003			<0.003		
3/11/2021		<0.003	<0.003		<0.003	<0.003
8/11/2021	<0.003					
8/12/2021		<0.003	<0.003	<0.003	0.0014 (J)	<0.003
2/1/2022	<0.003	<0.003	<0.003			
2/7/2022				<0.003	<0.003	0.0014 (J)
8/2/2022	<0.003	<0.003	<0.003	<0.003		
8/10/2022					<0.003	<0.003
1/23/2023			<0.003	<0.003		
1/24/2023	<0.003	<0.003				
1/27/2023					<0.003	<0.003
8/8/2023	<0.003	<0.003	<0.003	<0.003	0.003	0.0013 (J)
2/13/2024	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
8/5/2024	<0.003	<0.003	<0.003			
8/6/2024				<0.003	<0.003	<0.003
2/12/2025	<0.003		<0.003	<0.003		
2/14/2025		<0.003			<0.003	<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
5/23/2016				<0.003	<0.003	<0.003
7/12/2016				0.0003 (J)	<0.003	<0.003
9/1/2016				<0.003	<0.003	<0.003
10/24/2016				<0.003	<0.003	
10/25/2016						<0.003
12/7/2016				<0.003	<0.003	<0.003
1/26/2017				<0.003	<0.003	<0.003
3/22/2017						<0.003
3/23/2017				<0.003	<0.003	
5/24/2017				<0.003	<0.003	<0.003
4/3/2018					<0.003	<0.003
4/4/2018				<0.003		
3/14/2019				<0.003	<0.003	
3/15/2019						<0.003
3/3/2020				<0.003	<0.003	<0.003
9/16/2020		0.00051 (J)	0.00049 (J)			
9/17/2020	0.00055 (J)					
11/10/2020		0.00043 (J)	<0.003			
11/11/2020	<0.003					
12/15/2020	0.00035 (J)	0.00031 (J)	0.00047 (J)			
1/19/2021		0.00029 (J)	0.00067 (J)			
1/20/2021	<0.003					
2/8/2021	0.0019 (J)					
2/9/2021		0.00037 (J)	0.00042 (J)			
2/10/2021						<0.003
2/11/2021				0.00043 (J)		
2/12/2021					<0.003	
3/10/2021	<0.003		0.00037 (J)			
3/11/2021		0.00057 (J)				
3/16/2021					<0.003	
3/17/2021				<0.003		<0.003
8/11/2021		<0.003				
8/12/2021	<0.003					
8/13/2021			<0.003			
8/18/2021				<0.003		
8/19/2021					<0.003	<0.003
2/1/2022		<0.003	0.0013 (J)			
2/7/2022	<0.003					
2/8/2022					0.002 (J)	<0.003
2/9/2022				<0.003		
8/2/2022		<0.003	<0.003			
8/9/2022	<0.003					
8/10/2022						<0.003
8/11/2022				0.001 (J)	0.0016 (J)	
1/23/2023	0.0016 (J)					
1/24/2023		<0.003	<0.003			
2/1/2023				<0.003	0.0021 (J)	<0.003
8/8/2023	<0.003	<0.003	<0.003			
8/13/2023				0.0032	0.0027 (J)	<0.003
2/13/2024	<0.003	<0.003	<0.003			
2/17/2024				<0.003	0.0014 (J)	
2/18/2024						<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
8/6/2024	<0.003	<0.003	<0.003			
8/8/2024					0.001 (J)	
8/9/2024						<0.003
8/10/2024				<0.003		
2/12/2025		<0.003	<0.003			
2/14/2025	<0.003					
2/17/2025					0.00056 (J)	<0.003
2/18/2025				<0.003		

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
5/23/2016	<0.003					
5/24/2016		<0.003				
7/12/2016	<0.003	<0.003				
9/1/2016	<0.003	<0.003				
10/25/2016	<0.003	<0.003				
12/7/2016	<0.003					
12/8/2016		<0.003				
1/26/2017	<0.003	<0.003				
3/22/2017	<0.003					
3/23/2017		<0.003				
5/25/2017	<0.003	<0.003				
4/3/2018	<0.003	<0.003				
3/14/2019		<0.003			<0.003	
3/15/2019	<0.003		<0.003	<0.003		
3/2/2020				<0.003	<0.003	
3/3/2020	<0.003	<0.003	<0.003			
2/11/2021	<0.003	<0.003	<0.003			
2/12/2021					<0.003	0.00046 (J)
2/15/2021				<0.003		
3/17/2021				<0.003	<0.003	
3/18/2021	<0.003	<0.003	<0.003			<0.003
8/18/2021	<0.003					<0.003
8/19/2021		0.0008 (J)	<0.003	0.0016 (J)	<0.003	
2/8/2022	<0.003	<0.003	<0.003	<0.003		<0.003
2/10/2022					<0.003	
8/10/2022	<0.003	<0.003				<0.003
8/11/2022			<0.003	<0.003	<0.003	
1/27/2023			<0.003			<0.003
1/30/2023	<0.003			<0.003		
2/1/2023		<0.003			<0.003	
8/12/2023			<0.003			
8/13/2023	<0.003	<0.003		<0.003	<0.003	<0.003
2/17/2024	<0.003					
2/18/2024		<0.003	<0.003	<0.003	0.00057 (J)	<0.003
8/8/2024	<0.003					
8/9/2024		<0.003	<0.003		<0.003	<0.003
8/10/2024				<0.003		
2/16/2025	<0.003					<0.003
2/17/2025					<0.003	
2/18/2025		<0.003	<0.003	<0.003		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-34D	MW-35	MW-37D	MW-51
2/11/2021			0.00079 (J)	
2/15/2021		0.00041 (J)		
3/12/2021			<0.003	
3/19/2021		<0.003		
8/16/2021	<0.003			
8/18/2021		<0.003	<0.003	<0.003
2/8/2022		0.0029 (J)	<0.003	<0.003
2/9/2022	<0.003			
8/10/2022	<0.003		<0.003	
8/11/2022		<0.003		<0.003
1/30/2023	0.0018 (J)		<0.003	
2/1/2023		<0.003		<0.003
8/12/2023	<0.003	<0.003		<0.003
8/13/2023			<0.003	
2/18/2024	<0.003		<0.003	
2/19/2024		<0.003		<0.003
8/9/2024		<0.003		<0.003
8/10/2024	<0.003		<0.003	
2/17/2025			<0.003	
2/18/2025	<0.003			
3/6/2025		<0.003		<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)	HGWA-6 (bg)
5/19/2016	<0.005	0.00127 (J)	<0.005	<0.005	<0.005	
5/20/2016						<0.005
7/11/2016	<0.005	0.002 (J)		<0.005	<0.005	<0.005
7/12/2016			0.0008 (J)			
8/30/2016	<0.005	0.0017 (J)	<0.005	<0.005	<0.005	<0.005
10/19/2016	<0.005	<0.005	<0.005	<0.005		
10/20/2016					<0.005	<0.005
12/6/2016	<0.005	<0.005	<0.005	<0.005		
12/8/2016					<0.005	<0.005
1/24/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/21/2017	0.0005 (J)	<0.005	0.0007 (J)	<0.005	<0.005	<0.005
5/22/2017	<0.005	0.0006 (J)	0.0006 (J)			
5/23/2017				<0.005	<0.005	<0.005
4/2/2018	<0.005	<0.005		<0.005		
4/3/2018			<0.005		<0.005	<0.005
6/4/2018	<0.005	0.00088 (J)	0.0008 (J)	<0.005		
6/5/2018					<0.005	<0.005
10/1/2018	<0.005	<0.005	0.0011 (J)	<0.005		
10/2/2018					0.00064 (J)	<0.005
3/11/2019				<0.005		
3/12/2019	<0.005	0.00069 (J)	0.00063 (J)		<0.005	<0.005
4/1/2019			<0.005			
4/2/2019	<0.005	<0.005		<0.005	<0.005	<0.005
9/23/2019	0.00046 (J)	0.00067 (J)	0.0011 (J)			
9/24/2019				<0.005	0.00055 (J)	<0.005
3/2/2020	<0.005	0.00043 (J)	0.0004 (J)	<0.005	<0.005	<0.005
3/25/2020	<0.005	<0.005	<0.005			<0.005
3/26/2020				<0.005	<0.005	
8/25/2020		<0.005	<0.005			
8/28/2020	<0.005					
9/15/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/8/2021	<0.005			<0.005		
2/9/2021		<0.005	<0.005		<0.005	<0.005
3/10/2021	<0.005			<0.005		
3/11/2021		<0.005	<0.005		<0.005	<0.005
8/11/2021	<0.005					
8/12/2021		<0.005	<0.005	<0.005	<0.005	<0.005
2/1/2022	0.0016 (J)	0.0023 (J)	0.0024 (J)			
2/7/2022				<0.005	<0.005	<0.005
8/2/2022	<0.005	<0.005	<0.005	<0.005		
8/10/2022					<0.005	<0.005
1/23/2023			<0.005	<0.005		
1/24/2023	<0.005	<0.005				
1/27/2023					<0.005	<0.005
8/8/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/13/2024	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/5/2024	<0.005	<0.005	<0.005			
8/6/2024				<0.005	<0.005	<0.005
2/12/2025	<0.005		<0.005	<0.005		
2/14/2025		<0.005			<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
5/23/2016				0.00268 (J)	<0.005	<0.005
7/12/2016				0.0059	<0.005	<0.005
9/1/2016				0.0056	<0.005	<0.005
10/24/2016				0.0058	<0.005	
10/25/2016						<0.005
12/7/2016				<0.025	<0.005	<0.005
1/26/2017				0.0089	<0.005	<0.005
3/22/2017						0.0005 (J)
3/23/2017				0.0069	0.0008 (J)	
5/24/2017				0.0048 (J)	<0.005	<0.005
4/3/2018					<0.005	<0.005
4/4/2018				0.0052		
6/6/2018				0.0059	<0.005	<0.005
10/3/2018				0.0032 (J)	<0.005	<0.005
3/14/2019				0.0029 (J)	<0.005	
3/15/2019						<0.005
4/4/2019					0.00017 (J)	0.0001 (J)
4/5/2019				<0.025		
9/24/2019				0.0039 (J)	0.00037 (J)	
9/25/2019						<0.005
3/3/2020				0.0035 (J)	<0.005	<0.005
3/26/2020					<0.005	
3/30/2020				0.0051		0.0011 (J)
9/16/2020		<0.005	<0.005			
9/17/2020	<0.005				<0.005	<0.005
9/18/2020				0.0029 (J)		
11/10/2020		0.0021 (J)	<0.005			
11/11/2020	<0.005					
12/15/2020	<0.005	<0.005	<0.005			
1/19/2021		0.0011 (J)	<0.005			
1/20/2021	<0.005					
2/8/2021	<0.005					
2/9/2021		0.0017 (J)	0.00083 (J)			
2/10/2021						0.0012 (J)
2/11/2021				0.0062		
2/12/2021					<0.005	
3/10/2021	<0.005		<0.005			
3/11/2021		0.0013 (J)				
3/16/2021					<0.005	
3/17/2021				<0.025		<0.005
8/11/2021		0.0015 (J)				
8/12/2021	<0.005					
8/13/2021			<0.005			
8/18/2021				0.0035 (J)		
8/19/2021					<0.005	<0.005
2/1/2022		0.0036 (J)	0.0025 (J)			
2/7/2022	<0.005					
2/8/2022					<0.005	<0.005
2/9/2022				0.0077		
8/2/2022		<0.005	<0.005			
8/9/2022	<0.005					
8/10/2022						<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
8/11/2022				0.006	<0.005	
1/23/2023	<0.005					
1/24/2023		<0.005	0.0027 (J)			
2/1/2023				0.004 (J)	<0.005	<0.005
8/8/2023	<0.005	<0.005	<0.005			
8/13/2023				0.0048 (J)	<0.005	<0.005
2/13/2024	<0.005	0.00097 (J)	0.0014 (J)			
2/17/2024				0.0026 (J)	<0.005	
2/18/2024						<0.005
8/6/2024	<0.005	<0.005	<0.005			
8/8/2024					<0.005	
8/9/2024						<0.005
8/10/2024				0.005 (J)		
2/12/2025		<0.005	0.0014 (J)			
2/14/2025	<0.005					
2/17/2025					<0.005	<0.005
2/18/2025				0.0017 (J)		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
5/23/2016	<0.005					
5/24/2016		0.00294 (J)				
7/12/2016	<0.005	0.0074				
9/1/2016	<0.005	0.0073				
10/25/2016	<0.005	0.006				
12/7/2016	<0.005					
12/8/2016		0.007				
1/26/2017	<0.005	0.0068				
3/22/2017	0.0007 (J)					
3/23/2017		0.0082				
5/25/2017	0.0007 (J)	0.006				
4/3/2018	<0.005	0.0062				
6/5/2018		0.008				
6/6/2018	0.00097 (J)					
10/3/2018	<0.005	0.0039 (J)				
3/14/2019		0.0036 (J)			<0.005	
3/15/2019	<0.005		<0.005	<0.005		
4/4/2019			0.00019 (J)			
4/5/2019	<0.005	0.0015 (J)		<0.005	<0.005	
9/25/2019	<0.005	0.0044 (J)	<0.005			
9/26/2019					<0.005	
9/27/2019				0.00045 (J)		
3/2/2020				<0.005	<0.005	
3/3/2020	<0.005	0.0057	<0.005			
3/27/2020				<0.005		
3/31/2020	0.0008 (J)	0.0056				
4/1/2020			0.0013 (J)		0.00082 (J)	0.0061
6/17/2020			<0.005			0.0031 (J)
9/15/2020		0.0074				
9/16/2020	<0.005					
9/17/2020				<0.005	<0.005	
9/21/2020			<0.005			0.0083
2/11/2021	0.0012 (J)	0.0069	0.001 (J)			
2/12/2021					0.001 (J)	0.0059
2/15/2021				<0.005		
3/17/2021				<0.005	<0.005	
3/18/2021	<0.005	0.0083 (J)	<0.005			0.0054 (J)
8/18/2021	<0.005					0.0058
8/19/2021		0.0045 (J)	<0.005	<0.005	<0.005	
2/8/2022	0.0017 (J)	0.005 (J)	<0.005	<0.005		0.0069
2/10/2022					<0.005	
8/10/2022	<0.005	0.0058				<0.025
8/11/2022			0.003 (J)	<0.005	<0.005	
1/27/2023			<0.005			0.0031 (J)
1/30/2023	0.0028 (J)			<0.005		
2/1/2023		0.0036 (J)			<0.005	
8/12/2023			<0.005			
8/13/2023	<0.005	0.0059 (J)		<0.005	<0.005	0.0059 (J)
2/17/2024	<0.005					
2/18/2024		0.0027 (J)	<0.005	<0.005	<0.005	0.0024 (J)
8/8/2024	<0.005					
8/9/2024		0.00092 (J)	<0.005		0.00096 (J)	0.0041 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
8/10/2024				<0.005		
2/16/2025	<0.005					0.0021 (J)
2/17/2025					<0.005	
2/18/2025		<0.005	<0.005	<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-34D	MW-35	MW-37D	MW-51
6/18/2020	0.0032 (J)	0.005 (J)	0.0021 (J)	
9/21/2020		0.0059		
9/23/2020	0.001 (J)		0.00095 (J)	
2/11/2021			0.0023 (J)	
2/15/2021		0.005		
3/12/2021			<0.005	
3/19/2021		<0.005		
8/16/2021	0.0024 (J)			
8/18/2021		0.0043 (J)	<0.005	0.002 (J)
2/8/2022		0.0072	<0.005	0.0046 (J)
2/9/2022	0.0054			
8/10/2022	0.0045 (J)		<0.005	
8/11/2022		<0.005		0.0043 (J)
1/30/2023	0.0047 (J)		<0.005	
2/1/2023		0.006		0.0041 (J)
8/12/2023	<0.005	0.0045 (J)		<0.005
8/13/2023			<0.005	
2/18/2024	0.00099 (J)		<0.005	
2/19/2024		0.0073		0.0067
8/9/2024		0.0059		0.0042 (J)
8/10/2024	0.0045 (J)		<0.005	
2/17/2025			<0.005	
2/18/2025	<0.005			
3/6/2025		<0.005		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)	HGWA-6 (bg)
5/19/2016	0.0346	0.114	0.111	0.0266	0.0519	
5/20/2016						0.174
7/11/2016	0.0311	0.112		0.0309	0.0565	0.134
7/12/2016			0.115			
8/30/2016	0.0293	0.131	0.113	0.031	0.0548	0.212
10/19/2016	0.0293	0.111	0.123	0.0332		
10/20/2016					0.0539	0.157
12/6/2016	0.0304	0.108	0.127	0.0334		
12/8/2016					0.0496	0.162
1/24/2017	0.028	0.102	0.126	0.0192	0.0478	0.168
3/21/2017	0.0275	0.095	0.12	0.0175	0.0453	0.186
5/22/2017	0.0281	0.103	0.117			
5/23/2017				0.0227	0.0496	0.187
4/2/2018	0.026	0.099		0.022		
4/3/2018			0.11		0.038	0.14
6/4/2018	0.035	0.11	0.12	0.027		
6/5/2018					0.046	0.21
10/1/2018	0.029	0.11	0.14	0.018		
10/2/2018					0.047	0.19
3/11/2019				0.029		
3/12/2019	0.042	0.12	0.13		0.05	0.2
4/1/2019			0.13			
4/2/2019	0.04	0.13		0.03	0.044	0.19
9/23/2019	0.042	0.13	0.13			
9/24/2019				0.03	0.053	0.22
3/2/2020	0.034	0.11	0.14	0.023	0.053	0.19
3/25/2020	0.043	0.12	0.13			0.19
3/26/2020				0.026	0.045	
8/25/2020		0.11	0.11			
8/28/2020	0.036					
9/15/2020	0.035	0.12	0.12	0.024	0.045	0.19
2/8/2021	0.032			0.04		
2/9/2021		0.12	0.13		0.046	0.21
3/10/2021	0.03			0.036		
3/11/2021		0.07	0.13		0.044	0.21
8/11/2021	0.03					
8/12/2021		0.12	0.11	0.034	0.044	0.18
2/1/2022	0.031	0.13	0.12			
2/7/2022				0.028	0.038	0.18
8/2/2022	0.039	0.11	0.16	0.041		
8/10/2022					0.053	0.18
1/23/2023			0.13	0.057		
1/24/2023	0.033	0.088				
1/27/2023					0.044	0.2
8/8/2023	0.039	0.068	0.12	0.039	0.18	0.048
2/13/2024	0.039	0.062	0.13	0.054	0.048	0.19
8/5/2024	0.032	0.062	0.13			
8/6/2024				0.044	0.046	0.046
2/12/2025	0.034		0.13	0.061		
2/14/2025		0.057			0.049	0.19

Time Series

Constituent: Barium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
5/23/2016				<0.25	0.0315 (J)	0.0841
7/12/2016				0.0214	0.0372	0.0886
9/1/2016				0.0208	0.0364	0.0934
10/24/2016				0.0208	0.0326	
10/25/2016						0.0991
12/7/2016				0.022	0.0301	0.101
1/26/2017				0.0238	0.0287	0.105
3/22/2017						0.11
3/23/2017				0.0244	0.0329	
5/24/2017				0.0228	0.0283	0.106
4/3/2018					0.019	0.099
4/4/2018				0.021		
6/6/2018				0.022	0.022	0.11
10/3/2018				0.02	0.025	0.11
3/14/2019				0.019	0.021	
3/15/2019						0.13
4/4/2019					0.018	0.11
4/5/2019				0.016		
9/24/2019				0.021	0.019	
9/25/2019						0.11
3/3/2020				0.018	0.018	0.12
3/26/2020					0.016	
3/30/2020				0.02		0.11
9/16/2020		0.26	0.24			
9/17/2020	0.13				0.017	0.11
9/18/2020				0.019		
11/10/2020		0.25	0.38			
11/11/2020	0.18					
12/15/2020	0.19	0.29	0.39			
1/19/2021		0.32	0.41			
1/20/2021	0.2					
2/8/2021	0.19					
2/9/2021		0.34	0.46			
2/10/2021						0.11
2/11/2021				0.02		
2/12/2021					0.014	
3/10/2021	0.18		0.26			
3/11/2021		0.31 (D)				
3/16/2021					0.012	
3/17/2021				0.023		0.12
8/11/2021		0.28				
8/12/2021	0.18					
8/13/2021			0.22			
8/18/2021				0.018		
8/19/2021					0.01	0.1
2/1/2022		0.29	0.23			
2/7/2022	0.18					
2/8/2022					0.0098	0.1
2/9/2022				0.017		
8/2/2022		0.35	0.37			
8/9/2022	0.2					
8/10/2022						0.1

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
8/11/2022				0.017	0.015	
1/23/2023	0.21					
1/24/2023		0.28	0.18			
2/1/2023				0.017	0.021	0.11
8/8/2023	0.21	0.3	0.12			
8/13/2023				0.016	0.011	0.099
2/13/2024	0.23	0.28	0.12			
2/17/2024				0.02	0.017	
2/18/2024						0.098
8/6/2024	0.065	0.28	0.11			
8/8/2024					0.0094	
8/9/2024						0.086
8/10/2024				0.015		
2/12/2025		0.3	0.095			
2/14/2025	0.23					
2/17/2025					0.017	0.098
2/18/2025				0.016		

Time Series

Constituent: Barium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
5/23/2016	0.0222 (J)					
5/24/2016		<0.2				
7/12/2016	0.0221	0.0346				
9/1/2016	0.0227	0.0336				
10/25/2016	0.0225	0.0349				
12/7/2016	0.0227					
12/8/2016		0.0339				
1/26/2017	0.0229	0.0293				
3/22/2017	0.0248					
3/23/2017		0.0313				
5/25/2017	0.0255	0.0336				
4/3/2018	0.025	0.028				
6/5/2018		0.03				
6/6/2018	0.028					
10/3/2018	0.028	0.032				
3/14/2019		0.029			0.082	
3/15/2019	0.029		0.09	0.044		
4/4/2019			0.075			
4/5/2019	0.022	0.021		0.036	0.061	
9/25/2019	0.025	0.03	0.066			
9/26/2019					0.064	
9/27/2019				0.028		
3/2/2020				0.027	0.06	
3/3/2020	0.026	0.026	0.058			
3/27/2020				0.025		
3/31/2020	0.029	0.029				
4/1/2020			0.066		0.065	0.027
6/17/2020			0.054			0.024
9/15/2020		0.03				
9/16/2020	0.025					
9/17/2020				0.02	0.057	
9/21/2020			0.049			0.024
2/11/2021	0.025	0.03	0.044			
2/12/2021					0.056	0.025
2/15/2021				0.017		
3/17/2021				0.018	0.058	
3/18/2021	0.027	0.031	0.047			0.029
8/18/2021	0.022					0.025
8/19/2021		0.031	0.042	0.018	0.05	
2/8/2022	0.021	0.02	0.033	0.014		0.02
2/10/2022					0.05	
8/10/2022	0.027	0.026				0.02 (J)
8/11/2022			0.037	0.014	0.05	
1/27/2023			0.031			0.018
1/30/2023	0.03			0.014		
2/1/2023		0.019			0.047	
8/12/2023			0.033			
8/13/2023	0.025	0.026		0.013	0.041	0.023
2/17/2024	0.023					
2/18/2024		0.02	0.034	0.012	0.041	0.016
8/8/2024	0.023					
8/9/2024		0.021	0.035		0.036	0.027

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
8/10/2024				0.014		
2/16/2025	0.03					0.016
2/17/2025					0.035	
2/18/2025		0.016	0.045	0.013		

Time Series

Constituent: Barium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-34D	MW-35	MW-37D	MW-51
6/18/2020	0.044	0.029	0.19	
9/21/2020		0.028		
9/23/2020	0.038		0.14	
2/11/2021			0.14	
2/15/2021		0.026		
3/12/2021			0.12	
3/19/2021		0.032		
8/16/2021	0.035			
8/18/2021		0.025	0.12	0.032
2/8/2022		0.023	0.11	0.046
2/9/2022	0.04			
8/10/2022	0.046		0.11	
8/11/2022		0.022 (J)		0.028
1/30/2023	0.04		0.13	
2/1/2023		0.022		0.033
8/12/2023	0.033	0.021		0.026
8/13/2023			0.15	
2/18/2024	0.033		0.15	
2/19/2024		0.021		0.028
8/9/2024		0.021		0.026
8/10/2024	0.032		0.17	
2/17/2025			0.15	
2/18/2025	0.03			
3/6/2025		0.024		0.024

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)	HGWA-6 (bg)
5/19/2016	<0.0005	<0.003	<0.0005	<0.0005	<0.0005	
5/20/2016						<0.0005
7/11/2016	<0.0005	0.0001 (J)		<0.0005	<0.0005	<0.0005
7/12/2016			<0.0005			
8/30/2016	<0.0005	<0.003	<0.0005	<0.0005	<0.0005	<0.0005
10/19/2016	<0.0005	0.0001 (J)	<0.0005	<0.0005		
10/20/2016					<0.0005	<0.0005
12/6/2016	<0.0005	0.0002 (J)	<0.0005	<0.0005		
12/8/2016					<0.0005	<0.0005
1/24/2017	<0.0005	0.0001 (J)	<0.0005	<0.0005	<0.0005	<0.0005
3/21/2017	<0.0005	0.0001 (J)	<0.0005	<0.0005	<0.0005	<0.0005
5/22/2017	<0.0005	0.0001 (J)	<0.0005			
5/23/2017				<0.0005	<0.0005	<0.0005
4/2/2018	<0.0005	<0.003		<0.0005		
4/3/2018			<0.0005		<0.0005	<0.0005
3/11/2019				5E-05 (J)		
3/12/2019	<0.0005	0.00017 (J)	<0.0005		<0.0005	<0.0005
4/1/2019			<0.0005			
4/2/2019	<0.0005	0.00015 (J)		<0.0005	<0.0005	<0.0005
9/23/2019	<0.0005	0.00011 (J)	<0.0005			
9/24/2019				<0.0005	<0.0005	<0.0005
3/2/2020	<0.0005	0.00014 (J)	<0.0005	0.00019 (J)	<0.0005	<0.0005
3/25/2020	<0.0005	0.00016 (J)	<0.0005			<0.0005
3/26/2020				7.6E-05 (J)	<0.0005	
8/25/2020		0.00014 (J)	<0.0005			
8/28/2020	<0.0005					
9/15/2020	<0.0005	0.00013 (J)	<0.0005	<0.0005	<0.0005	<0.0005
2/8/2021	<0.0005			0.00023 (J)		
2/9/2021		0.00014 (J)	<0.0005		<0.0005	<0.0005
3/10/2021	<0.0005			0.00017 (J)		
3/11/2021		8.6E-05 (J)	<0.0005		<0.0005	<0.0005
8/11/2021	<0.0005					
8/12/2021		0.00014 (J)	<0.0005	0.00021 (J)	<0.0005	<0.0005
2/1/2022	<0.0005	0.0002 (J)	<0.0005			
2/7/2022				0.00017 (J)	<0.0005	<0.0005
8/2/2022	<0.0005	0.00019 (J)	<0.0005	0.00019 (J)		
8/10/2022					<0.0005	<0.0005
1/23/2023			<0.0005	0.0001 (J)		
1/24/2023	<0.0005	0.00016 (J)				
1/27/2023					<0.0005	<0.0005
8/8/2023	<0.0005	0.00022 (J)	<0.0005	6.7E-05 (J)	<0.0005	<0.0005
2/13/2024	<0.0005	0.00022 (J)	<0.0005	<0.0005	<0.0005	<0.0005
8/5/2024	<0.0005	0.00026 (J)	<0.0005			
8/6/2024				<0.0005	<0.0005	<0.0005
2/12/2025	<0.0005		<0.0005	0.00018 (J)		
2/14/2025		0.00023 (J)			<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
5/23/2016				<0.003	<0.0005	<0.0005
7/12/2016				0.0005 (J)	<0.0005	<0.0005
9/1/2016				0.0005 (J)	<0.0005	<0.0005
10/24/2016				0.0005 (J)	<0.0005	
10/25/2016						<0.0005
12/7/2016				0.0006 (J)	<0.0005	<0.0005
1/26/2017				0.0005 (J)	<0.0005	<0.0005
3/22/2017						<0.0005
3/23/2017				0.0006 (J)	<0.0005	
5/24/2017				0.0005 (J)	<0.0005	<0.0005
4/3/2018					<0.0005	<0.0005
4/4/2018				<0.003		
3/14/2019				0.00043 (J)	<0.0005	
3/15/2019						<0.0005
4/4/2019					<0.0005	<0.0005
4/5/2019				0.00027 (J)		
9/24/2019				0.00044 (J)	<0.0005	
9/25/2019						<0.0005
3/3/2020				0.00043 (J)	<0.0005	<0.0005
3/26/2020					<0.0005	
3/30/2020				0.00043 (J)		<0.0005
9/16/2020		<0.0005	<0.0005			
9/17/2020	<0.0005				<0.0005	<0.0005
9/18/2020				0.00043 (J)		
11/10/2020		<0.0005	<0.0005			
11/11/2020	<0.0005					
12/15/2020	<0.0005	<0.0005	<0.0005			
1/19/2021		<0.0005	<0.0005			
1/20/2021	<0.0005					
2/8/2021	<0.0005					
2/9/2021		<0.0005	<0.0005			
2/10/2021						<0.0005
2/11/2021				0.00044 (J)		
2/12/2021					<0.0005	
3/10/2021	<0.0005		<0.0005			
3/11/2021		<0.0005				
3/16/2021					<0.0005	
3/17/2021				0.00058		<0.0005
8/11/2021		<0.0005				
8/12/2021	<0.0005					
8/13/2021			<0.0005			
8/18/2021				0.00039 (J)		
8/19/2021					<0.0005	<0.0005
2/1/2022		<0.0005	<0.0005			
2/7/2022	<0.0005					
2/8/2022					<0.0005	<0.0005
2/9/2022				0.00056		
8/2/2022		<0.0005	<0.0005			
8/9/2022	<0.0005					
8/10/2022						<0.0005
8/11/2022				0.00039 (J)	<0.0005	
1/23/2023	<0.0005					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
1/24/2023		<0.0005	<0.0005			
2/1/2023				0.00039 (J)	<0.0005	<0.0005
8/8/2023	<0.0005	<0.0005	<0.0005			
8/13/2023				0.0004 (J)	<0.0005	<0.0005
2/13/2024	<0.0005	<0.0005	<0.0005			
2/17/2024				0.00044 (J)	<0.0005	
2/18/2024						<0.0005
8/6/2024	<0.0005	<0.0005	<0.0005			
8/8/2024					<0.0005	
8/9/2024						<0.0005
8/10/2024				0.00047 (J)		
2/12/2025		<0.0005	<0.0005			
2/14/2025	<0.0005					
2/17/2025					<0.0005	<0.0005
2/18/2025				0.00038 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
5/23/2016	<0.0005					
5/24/2016		0.00278 (J)				
7/12/2016	<0.0005	0.0032				
9/1/2016	<0.0005	0.0034				
10/25/2016	<0.0005	0.0034				
12/7/2016	<0.0005					
12/8/2016		0.0033				
1/26/2017	<0.0005	0.0034				
3/22/2017	<0.0005					
3/23/2017		0.0036				
5/25/2017	<0.0005	0.0036				
4/3/2018	<0.0005	<0.003				
3/14/2019		0.0026 (J)			<0.0005	
3/15/2019	<0.0005		<0.0005	<0.0005		
4/4/2019			<0.0005			
4/5/2019	<0.0005	0.0022 (J)		<0.0005	<0.0005	
9/25/2019	<0.0005	0.0031	<0.0005			
9/26/2019					<0.0005	
9/27/2019				<0.0005		
3/2/2020				<0.0005	<0.0005	
3/3/2020	<0.0005	0.0029 (J)	<0.0005			
3/27/2020				<0.0005		
3/31/2020	<0.0005	0.003				
4/1/2020			<0.0005		<0.0005	0.0011 (J)
6/17/2020			<0.0005			0.00099 (J)
9/15/2020		0.0033				
9/16/2020	<0.0005					
9/17/2020				4.7E-05 (J)	<0.0005	
9/21/2020			<0.0005			0.0009 (J)
2/11/2021	6.7E-05 (J)	0.0036	<0.0005			
2/12/2021					<0.0005	0.001 (J)
2/15/2021				6.2E-05 (J)		
3/17/2021				8.2E-05 (J)	<0.0005	
3/18/2021	4.8E-05 (J)	0.0038	<0.0005			0.0011
8/18/2021	<0.0005					0.00097
8/19/2021		0.0034	<0.0005	7E-05 (J)	<0.0005	
2/8/2022	<0.0005	0.0026	<0.0005	7.9E-05 (J)		0.00087 (J)
2/10/2022					<0.0005	
8/10/2022	6E-05 (J)	0.0032				0.0008
8/11/2022			<0.0005	<0.0005	<0.0005	
1/27/2023			<0.0005			0.00019 (J)
1/30/2023	5.7E-05 (J)			8.1E-05 (J)		
2/1/2023		0.002			<0.0005	
8/12/2023			<0.0005			
8/13/2023	0.0001 (J)	0.003		<0.0005	<0.0005	0.00099
2/17/2024	<0.0005					
2/18/2024		0.0022	<0.0005	<0.0005	<0.0005	0.00059
8/8/2024	<0.0005					
8/9/2024		0.0021	<0.0005		<0.0005	0.00084
8/10/2024				<0.0005		
2/16/2025	<0.0005					0.00048 (J)
2/17/2025					<0.0005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
2/18/2025		0.0015	<0.0005	<0.0005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-34D	MW-35	MW-37D	MW-51
6/18/2020	0.00015 (J)	0.00032 (J)	0.00012 (J)	
9/21/2020		0.0004 (J)		
9/23/2020	<0.0005		<0.0005	
2/11/2021			<0.0005	
2/15/2021		0.0006 (J)		
3/12/2021			<0.0005	
3/19/2021		0.00061		
8/16/2021	<0.0005			
8/18/2021		0.00061	<0.0005	0.00042 (J)
2/8/2022		0.0007 (J)	<0.0005	0.00011 (J)
2/9/2022	6.5E-05 (J)			
8/10/2022	<0.0005		<0.0005	
8/11/2022		0.00066 (J)		0.00028 (J)
1/30/2023	<0.0005		<0.0005	
2/1/2023		0.00049 (J)		0.00028 (J)
8/12/2023	<0.0005	0.00041 (J)		0.00012 (J)
8/13/2023			<0.0005	
2/18/2024	<0.0005		<0.0005	
2/19/2024		0.00064		0.00047 (J)
8/9/2024		0.00053		0.00028 (J)
8/10/2024	<0.0005		<0.0005	
2/17/2025			<0.0005	
2/18/2025	<0.0005			
3/6/2025		0.00033 (J)		0.00041 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)	HGWA-6 (bg)
5/19/2016	0.0214 (J)	0.0321 (J)	<0.04	<0.1	<0.04	
5/20/2016						0.0363 (J)
7/11/2016	0.0142 (J)	0.0337 (J)		0.0175 (J)	0.0052 (J)	0.0179 (J)
7/12/2016			0.0074 (J)			
8/30/2016	0.0074 (J)	0.0173 (J)	<0.04	0.0072 (J)	0.0068 (J)	0.014 (J)
10/19/2016	0.0224 (J)	0.0341 (J)	0.0085 (J)	0.018 (J)		
10/20/2016					0.0135 (J)	0.0197 (J)
12/6/2016	0.0211 (J)	0.0326 (J)	0.0085 (J)	0.0158 (J)		
12/8/2016					0.0083 (J)	0.0159 (J)
1/24/2017	0.0165 (J)	0.0365 (J)	0.01 (J)	0.0145 (J)	0.0072 (J)	<0.2
3/21/2017	0.0187 (J)	0.0349 (J)	0.0079 (J)	0.0101 (J)	<0.04	0.0166 (J)
5/22/2017	0.0782	0.0475	0.0131 (J)			
5/23/2017				0.0159 (J)	0.0095 (J)	0.0167 (J)
10/3/2017	0.0198 (J)	0.0386 (J)	0.0097 (J)	0.0162 (J)	0.0071 (J)	0.017 (J)
6/4/2018	0.02 (J)	0.036 (J)	0.017 (J)	0.014 (J)		
6/5/2018					0.0066 (J)	0.016 (J)
10/1/2018	0.013 (J)	0.035 (J)	0.0061 (J)	0.0093 (J)		
10/2/2018					0.0081 (J)	0.014 (J)
4/1/2019			0.0066 (J)			
4/2/2019	0.016 (J)	0.034 (J)		0.01 (J)	0.0052 (J)	0.013 (J)
9/23/2019	0.021 (J)	0.04 (J)	0.0081 (J)			
9/24/2019				0.013 (J)	0.0088 (J)	0.016 (J)
3/25/2020	0.025 (J)	0.039 (J)	0.0096 (J)			0.021 (J)
3/26/2020				0.012 (J)	0.0072 (J)	
6/16/2020	0.021 (J)		0.01 (J)			
9/15/2020	0.017 (J)	0.044 (J)	0.0071 (J)	0.013 (J)	0.012 (J)	0.016 (J)
3/10/2021	0.015 (J)			0.012 (J)		
3/11/2021		0.056	0.015 (J)		0.0075 (J)	0.018 (J)
8/11/2021	0.02 (J)					
8/12/2021		0.044	<0.04	0.014 (J)	0.0092 (J)	0.014 (J)
2/1/2022	0.016 (J)	0.056	0.011 (J)			
2/7/2022				0.017 (J)	<0.04	0.019 (J)
8/2/2022	0.012 (J)	0.047	<0.04	0.02 (J)		
8/10/2022					0.011 (J)	0.015 (J)
1/23/2023			0.012 (J)	0.023 (J)		
1/24/2023	0.015 (J)	0.046				
1/27/2023					<0.04	0.013 (J)
8/8/2023	0.023 (J)	0.06	0.011 (J)	0.029 (J)	0.025 (J)	0.017 (J)
2/13/2024	0.02 (J)	0.051	<0.04	0.023 (J)	<0.04	0.015 (J)
8/5/2024	0.02 (J)	0.057	<0.04			
8/6/2024				0.015 (J)	0.024 (J)	1.6 (O)
2/12/2025	0.021 (J)		0.011 (J)	0.023 (J)		
2/14/2025		0.053			0.015 (J)	0.02 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
5/23/2016				15.4	2.02	1.36
7/12/2016				16	1.65	1.62
9/1/2016				12.3	1.93	1.31
10/24/2016				13.7	1.93	
10/25/2016						1.27
12/7/2016				16.5	2.23	1.42
1/26/2017				19.2	2.31	1.19
3/22/2017						1.32
3/23/2017				23.1	2.72	
5/24/2017				25.8	2.26	1.67
10/4/2017				20.5	2	1.43
6/6/2018				16.7	2.4	1.9
10/3/2018				16.4	2.4	1.7
4/4/2019					2.3	2.1
4/5/2019				12.5		
9/24/2019				14.7	2.9	
9/25/2019						2.7
3/26/2020					2.1	
3/30/2020				11.7		2.4
9/16/2020		0.061 (J)	0.23			
9/17/2020	0.098 (J)				2.2	2.4
9/18/2020				11		
11/10/2020		0.057 (J)	0.29			
11/11/2020	0.058 (J)					
12/15/2020	0.043 (J)	0.052 (J)	0.31			
1/19/2021		0.049 (J)	0.4			
1/20/2021	0.045 (J)					
3/10/2021	0.048		0.39			
3/11/2021		0.06				
3/16/2021					2.4	
3/17/2021				11.8		2.7
8/11/2021		0.042				
8/12/2021	0.044					
8/13/2021			0.31			
8/18/2021				8.6		
8/19/2021					2.1	2.5
2/1/2022		0.05	0.44			
2/7/2022	0.047					
2/8/2022					1.9	2.6
2/9/2022				9.9		
8/2/2022		0.043	0.31			
8/9/2022	0.055					
8/10/2022						2.2
8/11/2022				8.8	2.1	
1/23/2023	0.052					
1/24/2023		0.037 (J)	0.44			
2/1/2023				7.7	2	2.8
8/8/2023	0.048	0.038 (J)	0.55			
8/13/2023				6.9	1.6	2.2
2/13/2024	0.045	0.037 (J)	0.49			
2/17/2024				7.3	1.8	
2/18/2024						2.3

Time Series

Constituent: Boron (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
8/6/2024	1 (O)	0.043	0.52			
8/8/2024					1.5	
8/9/2024						1.9
8/10/2024				6.7		
2/12/2025		0.04 (J)	0.54			
2/14/2025	0.059					
2/17/2025					1.6	1.9
2/18/2025				6.2		

Time Series

Constituent: Boron (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
5/23/2016	5.7					
5/24/2016		9.33				
7/12/2016	9.58	11.9				
9/1/2016	5.76	8.8				
10/25/2016	5.38	8.5				
12/7/2016	5.74					
12/8/2016		7.15				
1/26/2017	5.78	9.17				
3/22/2017	5.52					
3/23/2017		10.6				
5/25/2017	8.58	13.2				
10/4/2017	6.8	10				
6/5/2018		8.4				
6/6/2018	6.3					
10/3/2018	6.9	9.3				
4/4/2019			5.2			
4/5/2019	5.9	6.4		2.1	3	
9/25/2019	8.1	11.7	6.4			
9/26/2019					3.8	
9/27/2019				2.9		
1/22/2020						11.2
3/27/2020				2.4		
3/31/2020	6.9	9.4				
4/1/2020			6.3		3.5	11.6
6/17/2020			5.8			10.3
9/15/2020		9.4				
9/16/2020	6.7					
9/17/2020				2.3	2.7	
9/21/2020			5.6			9
3/17/2021				2.7	3.4	
3/18/2021	6.8	8.9	5.7			10.2
8/18/2021	5.3					9.1
8/19/2021		8.6	5.4	2.5	3.4	
2/8/2022	7.8	8.1	5.9	3.2		8.4
2/10/2022					3.2	
8/10/2022	6.9	8.4				8
8/11/2022			5	2.5	3.3	
1/27/2023			3.6			4.6
1/30/2023	6.8			2.4		
2/1/2023		5.9			3	
8/12/2023			2.8			
8/13/2023	6.2	7.7		2.3	2.7	6.6
2/17/2024	5.7					
2/18/2024		7	2.3	2.2	2.8	5.4
8/8/2024	5.7					
8/9/2024		4.2	2		2.6	6.1
8/10/2024				2.2		
2/16/2025	5.3					4.6
2/17/2025					2.4	
2/18/2025		2.4	1.7	2		

Time Series

Constituent: Boron (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-34D	MW-35	MW-37D	MW-51
6/18/2020	9.4	11.9	0.14	
9/21/2020		12.3		
9/23/2020	10.2		0.12	
3/12/2021			0.15	
3/19/2021		11.9		
8/16/2021	8.2			
8/18/2021		11.2	0.2	9.7
2/8/2022		10.8	0.14	10.5
2/9/2022	9.6			
8/10/2022	10.2		0.11	
8/11/2022		9.6		8.2
1/30/2023	8		0.15	
2/1/2023		8.7		8.3
8/12/2023	7.2	8.4		7.4
8/13/2023			0.14	
2/18/2024	8.1		0.12	
2/19/2024		8.4		7.9
8/9/2024		9.5		8.1
8/10/2024	7.8		0.099	
2/17/2025			0.052	
2/18/2025	5.7			
3/6/2025		9.4		8.7

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)	HGWA-6 (bg)
5/19/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
5/20/2016						<0.0005
7/11/2016	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005
7/12/2016			<0.0005			
8/30/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
10/19/2016	<0.0005	<0.0005	<0.0005	<0.0005		
10/20/2016					<0.0005	<0.0005
12/6/2016	<0.0005	<0.0005	<0.0005	<0.0005		
12/8/2016					<0.0005	<0.0005
1/24/2017	<0.0005	0.0001 (J)	<0.0005	<0.0005	<0.0005	<0.0005
3/21/2017	<0.0005	7E-05 (J)	<0.0005	<0.0005	<0.0005	<0.0005
5/22/2017	<0.0005	0.0001 (J)	<0.0005			
5/23/2017				<0.0005	<0.0005	<0.0005
4/2/2018	<0.0005	<0.0005		<0.0005		
4/3/2018			<0.0005		<0.0005	<0.0005
6/4/2018	<0.0005	0.00014 (J)	<0.0005	<0.0005		
6/5/2018					<0.0005	<0.0005
10/1/2018	<0.0005	<0.0005	<0.0005	<0.0005		
10/2/2018					<0.0005	<0.0005
3/11/2019				<0.0005		
3/12/2019	<0.0005	0.00013 (J)	<0.0005		<0.0005	<0.0005
4/1/2019			<0.0005			
4/2/2019	<0.0005	0.00015 (J)		<0.0005	<0.0005	<0.0005
9/23/2019	<0.0005	<0.0005 (D)	<0.0005			
9/24/2019				<0.0005	<0.0005	<0.0005
3/2/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/25/2020	<0.0005	0.00014 (J)	<0.0005			<0.0005
3/26/2020				<0.0005	<0.0005	
8/25/2020		<0.0005	<0.0005			
8/28/2020	<0.0005					
9/15/2020	<0.0005	0.00012 (J)	<0.0005	<0.0005	<0.0005	<0.0005
2/8/2021	<0.0005			<0.0005		
2/9/2021		0.00016 (J)	<0.0005		<0.0005	<0.0005
3/10/2021	<0.0005			<0.0005		
3/11/2021		<0.0005	<0.0005		<0.0005	<0.0005
8/11/2021	<0.0005					
8/12/2021		0.00014 (J)	<0.0005	<0.0005	<0.0005	<0.0005
2/1/2022	<0.0005	0.00017 (J)	<0.0005			
2/7/2022				<0.0005	<0.0005	<0.0005
8/2/2022	<0.0005	0.00023 (J)	<0.0005	<0.0005		
8/10/2022					<0.0005	<0.0005
1/23/2023			<0.0005	<0.0005		
1/24/2023	<0.0005	0.00021 (J)				
1/27/2023					<0.0005	<0.0005
8/8/2023	<0.0005	0.00026 (J)	<0.0005	<0.0005	<0.0005	<0.0005
2/13/2024	<0.0005	0.00027 (J)	<0.0005	<0.0005	<0.0005	<0.0005
8/5/2024	<0.0005	0.00026 (J)	<0.0005			
8/6/2024				<0.0005	<0.0005	<0.0005
2/12/2025	<0.0005		<0.0005	<0.0005		
2/14/2025		0.00028 (J)			<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
5/23/2016				0.000139 (J)	0.00271 (J)	<0.0005
7/12/2016				<0.0005	0.0019	<0.0005
9/1/2016				0.0001 (J)	0.0017	<0.0005
10/24/2016				0.0002 (J)	0.0018	
10/25/2016						<0.0005
12/7/2016				0.0001 (J)	0.0018	<0.0005
1/26/2017				0.0001 (J)	0.0013	<0.0005
3/22/2017						<0.0005
3/23/2017				0.0002 (J)	0.002	
5/24/2017				0.0001 (J)	0.0041	<0.0005
4/3/2018					0.0022	<0.0005
4/4/2018				<0.0005		
6/6/2018				0.00012 (J)	0.0021	<0.0005
10/3/2018				0.0001 (J)	0.0026	<0.0005
3/14/2019				<0.0005	0.0024	
3/15/2019						<0.0005
4/4/2019					0.0018	<0.0005
4/5/2019				7.9E-05 (J)		
9/24/2019				<0.0005	0.0014 (J)	
9/25/2019						<0.0005
3/3/2020				<0.0005	0.0015 (J)	<0.0005
3/26/2020					0.0016 (J)	
3/30/2020				<0.0005		<0.0005
9/16/2020		<0.0005	<0.0005			
9/17/2020	<0.0005				0.0016 (J)	<0.0005
9/18/2020				<0.0005		
11/10/2020		<0.0005	<0.0005			
11/11/2020	<0.0005					
12/15/2020	<0.0005	<0.0005	<0.0005			
1/19/2021		<0.0005	<0.0005			
1/20/2021	<0.0005					
2/8/2021	<0.0005					
2/9/2021		<0.0005	<0.0005			
2/10/2021						<0.0005
2/11/2021				<0.0005		
2/12/2021					0.0014 (J)	
3/10/2021	<0.0005		<0.0005			
3/11/2021		<0.0005				
3/16/2021					0.0011	
3/17/2021				<0.0005		<0.0005
8/11/2021		<0.0005				
8/12/2021	<0.0005					
8/13/2021			<0.0005			
8/18/2021				0.00013 (J)		
8/19/2021					0.0012	<0.0005
2/1/2022		<0.0005	<0.0005			
2/7/2022	<0.0005					
2/8/2022					0.0011	<0.0005
2/9/2022				<0.0005		
8/2/2022		<0.0005	<0.0005			
8/9/2022	<0.0005					
8/10/2022						<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
8/11/2022				<0.0005	0.00095	
1/23/2023	<0.0005					
1/24/2023		<0.0005	<0.0005			
2/1/2023				<0.0005	0.00088	<0.0005
8/8/2023	<0.0005	<0.0005	<0.0005			
8/13/2023				<0.0005	0.00033 (J)	<0.0005
2/13/2024	<0.0005	<0.0005	<0.0005			
2/17/2024				<0.0005	0.00084	
2/18/2024						<0.0005
8/6/2024	0.00024 (J)	<0.0005	<0.0005			
8/8/2024					0.00037 (J)	
8/9/2024						<0.0005
8/10/2024				0.00011 (J)		
2/12/2025		<0.0005	<0.0005			
2/14/2025	<0.0005					
2/17/2025					0.00083	<0.0005
2/18/2025				<0.0005		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
5/23/2016	<0.0005					
5/24/2016		<0.02				
7/12/2016	<0.0005	0.0022				
9/1/2016	<0.0005	0.0024				
10/25/2016	<0.0005	0.0022				
12/7/2016	<0.0005					
12/8/2016		0.0024				
1/26/2017	<0.0005	0.0025				
3/22/2017	7E-05 (J)					
3/23/2017		0.0025				
5/25/2017	<0.0005	0.0027				
4/3/2018	<0.0005	0.0022				
6/5/2018		0.0022				
6/6/2018	<0.0005					
10/3/2018	<0.0005	0.0027				
3/14/2019		0.0019			<0.0025	
3/15/2019	<0.0005		<0.0005	0.00082 (J)		
4/4/2019			<0.0005			
4/5/2019	<0.0005	0.0017		0.00064 (J)	<0.0025	
9/25/2019	<0.0005	0.0023 (J)	<0.0005			
9/26/2019					<0.0025	
9/27/2019				0.0014 (J)		
3/2/2020				0.0021 (J)	<0.0025	
3/3/2020	<0.0005	0.0021 (J)	<0.0005			
3/27/2020				0.0019 (J)		
3/31/2020	<0.0005	0.0017 (J)				
4/1/2020			<0.0005		<0.0025	0.00022 (J)
6/17/2020			<0.0005			0.00021 (J)
9/15/2020		0.0019 (J)				
9/16/2020	<0.0005					
9/17/2020				0.0021 (J)	0.0006 (J)	
9/21/2020			<0.0005			0.00016 (J)
2/11/2021	<0.0005	0.0016 (J)	<0.0005			
2/12/2021					0.00045 (J)	0.00017 (J)
2/15/2021				0.002 (J)		
3/17/2021				0.0022	0.00057	
3/18/2021	<0.0005	0.0015	<0.0005			0.00019 (J)
8/18/2021	<0.0005					0.00017 (J)
8/19/2021		0.0014	<0.0005	0.0021	0.00012 (J)	
2/8/2022	<0.0005	0.00076	<0.0005	0.002		0.00013 (J)
2/10/2022					0.00024 (J)	
8/10/2022	<0.0005	0.0017				<0.0025
8/11/2022			<0.0005	0.002	0.00021 (J)	
1/27/2023			<0.0005			0.00017 (J)
1/30/2023	<0.0005			0.0017		
2/1/2023		0.001			0.00012 (J)	
8/12/2023			<0.0005			
8/13/2023	<0.0005	0.0017		0.002	0.00015 (J)	0.0002 (J)
2/17/2024	<0.0005					
2/18/2024		0.0015	<0.0005	0.0018	0.00017 (J)	0.00014 (J)
8/8/2024	<0.0005					
8/9/2024		0.00096	<0.0005		0.00014 (J)	0.00024 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
8/10/2024				0.0017		
2/16/2025	0.00015 (J)					0.00015 (J)
2/17/2025					0.00015 (J)	
2/18/2025		0.00056	<0.0005	0.0016		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-34D	MW-35	MW-37D	MW-51
6/18/2020	<0.0025	0.00053 (J)	<0.0005	
9/21/2020		0.001 (J)		
9/23/2020	<0.0025		<0.0005	
2/11/2021			<0.0005	
2/15/2021		0.0017 (J)		
3/12/2021			<0.0005	
3/19/2021		0.0018		
8/16/2021	0.00023 (J)			
8/18/2021		0.0015	<0.0005	0.00094
2/8/2022		0.0015	<0.0005	0.00024 (J)
2/9/2022	0.00072			
8/10/2022	0.00041 (J)		<0.0005	
8/11/2022		0.0013 (J)		0.00045 (J)
1/30/2023	0.00047 (J)		<0.0005	
2/1/2023		0.0017		0.0016
8/12/2023	0.0029	0.0012		0.00019 (J)
8/13/2023			<0.0005	
2/18/2024	0.0008		<0.0005	
2/19/2024		0.0013		0.00067
8/9/2024		0.0012		0.00038 (J)
8/10/2024	0.0015		<0.0005	
2/17/2025			<0.0005	
2/18/2025	0.0022			
3/6/2025		0.0014		0.0013

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)	HGWA-6 (bg)
5/19/2016	138	22.9	76.2	48.4	35.5	
5/20/2016						56.1
7/11/2016	97.2	22.3		73	35.4	49.3
7/12/2016			61.5			
8/30/2016	97.5	26.4	65.1	85.7	28	53.9
10/19/2016	99.2	21.7	73.2	89.7		
10/20/2016					26.7	50.7
12/6/2016	105	18.2	74.9	80		
12/8/2016					23.5	49.2
1/24/2017	95.7	18.5	69.6	30.8	24.5	48.3
3/21/2017	106	18.6	75.7	34	30.8	51.3
5/22/2017	107	17.8	71.5			
5/23/2017				43	24.2	49.1
10/3/2017	102	20.2	76.3	46.9	29	55.1
6/4/2018	124	19.1	73.4	81.9		
6/5/2018					27.8	54.5
10/1/2018	108	20.5 (J)	80.9	22 (J)		
10/2/2018					28.9	54.7
4/1/2019			80.5			
4/2/2019	132	22.5 (J)		76	26.3	49.7
9/23/2019	118	19.5	71			
9/24/2019				36.6	29.3	52.5
3/25/2020	127	23	89.8			58.1
3/26/2020				14.9	27.8	
6/16/2020	130		85.1			
9/15/2020	103	21.1	73.1	20.4	27.9	49.9
3/10/2021	111			5.9		
3/11/2021		43.8	83.8		28.3	53.1
8/11/2021	113					
8/12/2021		21.9	84	5.4	32	54.7
2/1/2022	106	27.2	85.1			
2/7/2022				5.9	30	53.4
8/2/2022	117	31.2	84.6	6		
8/10/2022					27.4	55.7
1/23/2023			85	24		
1/24/2023	117	29.4				
1/27/2023					28.5	55.4
8/8/2023	118	30.7	78.3	35.7	54.4	27.9
2/13/2024	116	38.8	83.6	31.1	20.6	55.4
8/5/2024	113	34.7	83.3			
8/6/2024				32.6	27	57.2
2/12/2025	125		86.6	21.5		
2/14/2025		51.5			24.4	52.1

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
5/23/2016				664	184	146
7/12/2016				528	186	142
9/1/2016				586	189	141
10/24/2016				564	200	
10/25/2016						138
12/7/2016				590	203	146
1/26/2017				558	212	139
3/22/2017						150
3/23/2017				652	229	
5/24/2017				617	265	153
10/4/2017				644	230	156
6/6/2018				606	250	177
10/3/2018				558	234	160
4/4/2019					214	196
4/5/2019				606		
9/24/2019				507	202	
9/25/2019						185
3/26/2020					240	
3/30/2020				600		208
9/16/2020		56	30			
9/17/2020	43.8				188	190
9/18/2020				623		
11/10/2020		63.3	33.6			
11/11/2020	44.4					
12/15/2020	47.3	62.6	28.7			
1/19/2021		60.1	33			
1/20/2021	41.8					
3/10/2021	43.4		12.1 (D)			
3/11/2021		59.6				
3/16/2021					196	
3/17/2021				572		198
8/11/2021		61				
8/12/2021	43.6					
8/13/2021			28.9			
8/18/2021				583		
8/19/2021					203	207
2/1/2022		55.9	24.8			
2/7/2022	48.7					
2/8/2022					186	218
2/9/2022				571		
8/2/2022		54.1	20.9			
8/9/2022	44.1					
8/10/2022						207
8/11/2022				519	210	
1/23/2023	43.7					
1/24/2023		56.6	13.2			
2/1/2023				464	174	216
8/8/2023	40.7	52.8	8.1			
8/13/2023				418	182	187
2/13/2024	47.7	53.3	9.9			
2/17/2024				418	175	
2/18/2024						199

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
8/6/2024	44.8	57.2	7.1			
8/8/2024					182	
8/9/2024						183
8/10/2024				375		
2/12/2025		61.8	7.2			
2/14/2025	46.5					
2/17/2025					142	158
2/18/2025				341		

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
5/23/2016	225					
5/24/2016		403				
7/12/2016	199	328				
9/1/2016	213	379				
10/25/2016	206	362				
12/7/2016	212					
12/8/2016		366				
1/26/2017	198	394				
3/22/2017	239					
3/23/2017		440				
5/25/2017	292	492				
10/4/2017	305	470				
6/5/2018		425				
6/6/2018	299					
10/3/2018	286	421				
4/4/2019			427			
4/5/2019	340	400		178	352	
9/25/2019	305	437	420			
9/26/2019					306	
9/27/2019				202		
1/22/2020						638
3/27/2020				212		
3/31/2020	328	418				
4/1/2020			438		342	567
6/17/2020			434			561
9/15/2020		430				
9/16/2020	277					
9/17/2020				203	361	
9/21/2020			428			562
2/10/2021		397				
3/17/2021				200	341	
3/18/2021	266	407	382			574
8/18/2021	281					549
8/19/2021		416	365	203	307	
2/8/2022	280	418	366	221		548
2/10/2022					288	
8/10/2022	316	433				498
8/11/2022			430	198	315	
1/27/2023			281			371
1/30/2023	286			189		
2/1/2023		288			294	
8/12/2023			167			
8/13/2023	261	355		305	343	418
2/17/2024	199					
2/18/2024		347	104	186	286	337
8/8/2024	189					
8/9/2024		182	86.4		280	381
8/10/2024				184		
2/16/2025	176					238
2/17/2025					215	
2/18/2025		109	77.4	146		

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-34D	MW-35	MW-37D	MW-51
6/18/2020	584	517	165	
9/21/2020		503		
9/23/2020	556		158	
3/12/2021			170	
3/19/2021		552		
8/16/2021	554			
8/18/2021		546	180	532
2/8/2022		519	167	537
2/9/2022	557			
8/10/2022	585		113	
8/11/2022		499		521
1/30/2023	558		74.6	
2/1/2023		503		492
8/12/2023	469	455		485
8/13/2023			57	
2/18/2024	458		52.7	
2/19/2024		473		486
8/9/2024		471		483
8/10/2024	451		49.4	
2/17/2025			40.2	
2/18/2025	287			
3/6/2025		476		414

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)	HGWA-6 (bg)
5/19/2016	9.94	6.14	5.93	4.56	1.57	
5/20/2016						1.35
7/11/2016	6.3	5.9		5	2	1.7
7/12/2016			6.2			
8/30/2016	6	6.2	6.4	4.9	2	1.6
10/19/2016	5.8	6.1	6.5	4.6		
10/20/2016					2.2	1.6
12/6/2016	5.4	6	7.2	4.5		
12/8/2016					2	1.6
1/24/2017	5.2	6.1	6.4	4.7	1.6	1.9
3/21/2017	4.6	5.9	7.5	4.3	2	1.3
5/22/2017	4.6	5.9	6.5			
5/23/2017				4.5	1.7	1.2
10/3/2017	5.6	6.3	6.5	4.8	1.7	2.1
6/4/2018	13.1	6.1	6.3	4.5		
6/5/2018					1.6	1.2
10/1/2018	6.6	6.4	6.4	3.8		
10/2/2018					2.4	1.7
4/1/2019			6.5			
4/2/2019	20.3	5.8		4.4	1.7	1.6
9/23/2019	17.7	5.1	5.9			
9/24/2019				3.6	1.7	1.3
3/25/2020	20.4	5.2	6.1			1.2
3/26/2020				3.4	1.4	
6/16/2020	41.1		5.8			
9/15/2020	13.4	5	6	3.3	1.7	1.2
3/10/2021	7.4			2.9		
3/11/2021		5.1	5.9		1.4	1.2
8/11/2021	9.6					
8/12/2021		5.2	4.8	2.4	1.4	0.94 (J)
2/1/2022	7.5	7	5.7			
2/7/2022				2.4	1.4	1.1
8/2/2022	14.1	7.8	5.9	2.9		
8/10/2022					2.1	1.3
1/23/2023			5.6	1.6		
1/24/2023	9	7.1				
1/27/2023					1.6	1.4
8/8/2023	26	6.6	5.3	2.6	1.3	2.1
2/13/2024	10	6.3	5.3	1.4	1.8	1.4
8/5/2024	8.7	7.9	5.2			
8/6/2024				2.3	2.1	1.3
2/12/2025	4.8		5	1.4		
2/14/2025		8.5			1.4	0.98 (J)

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
5/23/2016				659	209	25.8
7/12/2016				620	190	34
9/1/2016				510	200	34
10/24/2016				110	200	
10/25/2016						35
12/7/2016				510	240	38
1/26/2017				640	260	41
3/22/2017						41
3/23/2017				600	280	
5/24/2017				510	240	44
10/4/2017				420	210	50
6/6/2018				357	196	50.6
10/3/2018				368	200	49.9
4/4/2019					138	76.8
4/5/2019				227		
9/24/2019				188	120	
9/25/2019						84.4
3/26/2020					142	
3/30/2020				236		80.2
9/16/2020		4.1	5.65 (D)			
9/17/2020	5.8				108	99.3
9/18/2020				288		
11/10/2020		4.4	7.8			
11/11/2020	3.1					
12/15/2020	3.2	4.7	9.4			
1/19/2021		4.1	9.5			
1/20/2021	2.8					
3/10/2021	3		12.3			
3/11/2021		4.5				
3/16/2021					103	
3/17/2021				233		93.8
8/11/2021		3.5				
8/12/2021	2.6					
8/13/2021			39.9			
8/18/2021				141		
8/19/2021					89.9	90.1
2/1/2022		4.1	44.8			
2/7/2022	3.1					
2/8/2022					76.6	96.4
2/9/2022				174		
8/2/2022		4.3	19.8			
8/9/2022	3.7					
8/10/2022						98.3
8/11/2022				147	89.2	
1/23/2023	3.3					
1/24/2023		4.3	24.9			
2/1/2023				108	85	112
8/8/2023	3.2	3.5	27			
8/13/2023				95.8	78.2	89.1
2/13/2024	4.1	3.9	27.7			
2/17/2024				88.9	70.2	
2/18/2024						87.5

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
8/6/2024	3.3	4	30.2			
8/8/2024					80.2	
8/9/2024						74.8
8/10/2024				84.9		
2/12/2025		3.8	30.7			
2/14/2025	3.1					
2/17/2025					62.8	87.8
2/18/2025				92		

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
5/23/2016	94					
5/24/2016		280				
7/12/2016	100	300				
9/1/2016	95	270				
10/25/2016	98	290				
12/7/2016	89					
12/8/2016		300				
1/26/2017	99	340				
3/22/2017	100					
3/23/2017		350				
5/25/2017	99	290				
10/4/2017	130	260				
6/5/2018		261				
6/6/2018	166					
10/3/2018	193	302				
4/4/2019			299			
4/5/2019	195	217		131	195	
9/25/2019	139	181	245			
9/26/2019					204	
9/27/2019				176		
1/22/2020						231
3/27/2020				141		
3/31/2020	161	126				
4/1/2020			236		166	242
6/17/2020			223			250
9/15/2020		150				
9/16/2020	156					
9/17/2020				153	171	
9/21/2020			236			273
2/10/2021		93.4				
3/17/2021				127	151	
3/18/2021	138	90.2	208			199
8/18/2021	90.7					118
8/19/2021		95.8	173	118	137	
2/8/2022	117	105	196	110		166
2/10/2022					138	
8/10/2022	148	95.2				120
8/11/2022			216	125	124	
1/27/2023			167			83.4
1/30/2023	154			109		
2/1/2023		92.7			137	
8/12/2023			76.2			
8/13/2023	109	104		101	119	99
2/17/2024	81.7					
2/18/2024		99	29.7	98.8	116	65.5
8/8/2024	70.2					
8/9/2024		53.7	20.3		108	83.2
8/10/2024				94.2		
2/16/2025	77.7					38.6
2/17/2025					105	
2/18/2025		44.7	30.1	93.6		

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-34D	MW-35	MW-37D	MW-51
6/18/2020	259	229	151	
9/21/2020		257		
9/23/2020	294		166	
3/12/2021			124	
3/19/2021		250		
8/16/2021	264			
8/18/2021		149	122	123
2/8/2022		202	151	194
2/9/2022	251			
8/10/2022	185		84.8	
8/11/2022		172		144
1/30/2023	173		49.2	
2/1/2023		189		158
8/12/2023	157	181		139
8/13/2023			16.5	
2/18/2024	143		7.8	
2/19/2024		150		125
8/9/2024		159		116
8/10/2024	129		4.4	
2/17/2025			3.2	
2/18/2025	215			
3/6/2025		141		87.5

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)	HGWA-6 (bg)
5/19/2016	<0.005	<0.005	<0.005	<0.005	<0.005	
5/20/2016						<0.005
7/11/2016	<0.005	<0.005		<0.005	<0.005	<0.005
7/12/2016			<0.005			
8/30/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
10/19/2016	<0.005	<0.005	<0.005	<0.005		
10/20/2016					<0.005	<0.005
12/6/2016	<0.005	<0.005	<0.005	<0.005		
12/8/2016					<0.005	<0.005
1/24/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/21/2017	0.0005 (J)	<0.005	<0.005	0.0004 (J)	<0.005	0.0007 (J)
5/22/2017	<0.005	<0.005	0.0007 (J)			
5/23/2017				<0.005	<0.005	<0.005
4/2/2018	<0.005	<0.005		<0.005		
4/3/2018			<0.005		<0.005	<0.005
3/11/2019				<0.005		
3/12/2019	<0.005	<0.005	<0.005		<0.005	<0.005
4/1/2019			<0.005			
4/2/2019	<0.005	0.0079 (J)		0.019	<0.005	<0.005
9/23/2019	<0.005	0.00058 (J)	<0.005			
9/24/2019				<0.005	<0.005	<0.005
3/2/2020	<0.005	0.00041 (J)	<0.005	0.0004 (J)	0.0005 (J)	<0.005
3/25/2020	0.00072 (J)	<0.005	<0.005			<0.005
3/26/2020				<0.005	<0.005	
8/25/2020		0.00067 (J)	<0.005			
8/28/2020	<0.005					
9/15/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/8/2021	<0.005			<0.005		
2/9/2021		<0.005	<0.005		<0.005	<0.005
3/10/2021	<0.005			<0.005		
3/11/2021		<0.005	<0.005		0.0011 (J)	<0.005
8/11/2021	<0.005					
8/12/2021		<0.005	<0.005	<0.005	<0.005	<0.005
2/1/2022	<0.005	<0.005	<0.005			
2/7/2022				<0.005	<0.005	<0.005
8/2/2022	<0.005	<0.005	<0.005	<0.005		
8/10/2022					<0.005	<0.005
1/23/2023			<0.005	<0.005		
1/24/2023	<0.005	<0.005				
1/27/2023					<0.005	<0.005
8/8/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/13/2024	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/5/2024	<0.005	<0.005	<0.005			
8/6/2024				<0.005	<0.005	<0.005
2/12/2025	<0.005		<0.005	<0.005		
2/14/2025		<0.005			<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
5/23/2016				<0.005	<0.005	<0.005
7/12/2016				<0.005	<0.005	<0.005
9/1/2016				<0.005	<0.005	<0.005
10/24/2016				<0.005	<0.005	
10/25/2016						<0.005
12/7/2016				<0.005	<0.005	<0.005
1/26/2017				<0.005	<0.005	<0.005
3/22/2017						0.0021 (J)
3/23/2017				<0.005	0.0005 (J)	
5/24/2017				<0.005	<0.005	<0.005
4/3/2018					<0.005	<0.005
4/4/2018				<0.005		
3/14/2019				<0.005	<0.005	
3/15/2019						<0.005
4/4/2019					<0.005	<0.005
4/5/2019				<0.005		
9/24/2019				<0.005	0.00041 (J)	
9/25/2019						<0.005
3/3/2020				0.00042 (J)	<0.005	0.00071 (J)
3/26/2020					<0.005	
3/30/2020				0.00066 (J)		0.0004 (J)
9/16/2020		<0.005	0.0012 (J)			
9/17/2020	<0.005				<0.005	<0.005
9/18/2020				<0.005		
11/10/2020		<0.005	0.00089 (J)			
11/11/2020	0.00063 (J)					
12/15/2020	0.0025 (J)	<0.005	0.00072 (J)			
1/19/2021		<0.005	0.0011 (J)			
1/20/2021	<0.005					
2/8/2021	0.00078 (J)					
2/9/2021		0.00095 (J)	0.00066 (J)			
2/10/2021						<0.005
2/11/2021				<0.005		
2/12/2021					<0.005	
3/10/2021	<0.005		<0.005			
3/11/2021		<0.005				
3/16/2021					0.0012 (J)	
3/17/2021				<0.005		<0.005
8/11/2021		<0.005				
8/12/2021	<0.005					
8/13/2021			0.0016 (J)			
8/18/2021				<0.005		
8/19/2021					<0.005	<0.005
2/1/2022		<0.005	0.0013 (J)			
2/7/2022	<0.005					
2/8/2022					<0.005	<0.005
2/9/2022				<0.005		
8/2/2022		<0.005	<0.005			
8/9/2022	<0.005					
8/10/2022						<0.005
8/11/2022				<0.005	<0.005	
1/23/2023	<0.005					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
1/24/2023		<0.005	<0.005			
2/1/2023				<0.005	<0.005	<0.005
8/8/2023	<0.005	<0.005	<0.005			
8/13/2023				<0.005	<0.005	<0.005
2/13/2024	0.01	<0.005	<0.005			
2/17/2024				<0.005	<0.005	
2/18/2024						<0.005
8/6/2024	<0.005	<0.005	<0.005			
8/8/2024					<0.005	
8/9/2024						<0.005
8/10/2024				<0.005		
2/12/2025		<0.005	<0.005			
2/14/2025	<0.005					
2/17/2025					<0.005	<0.005
2/18/2025				<0.005		

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
5/23/2016	<0.005					
5/24/2016		<0.005				
7/12/2016	<0.005	<0.005				
9/1/2016	<0.005	<0.005				
10/25/2016	<0.005	<0.005				
12/7/2016	<0.005					
12/8/2016		<0.005				
1/26/2017	<0.005	<0.005				
3/22/2017	<0.005					
3/23/2017		0.0005 (J)				
5/25/2017	<0.005	<0.005				
4/3/2018	<0.005	<0.005				
3/14/2019		<0.005			<0.005	
3/15/2019	<0.005		<0.005	<0.005		
4/4/2019			<0.005			
4/5/2019	<0.005	<0.005		<0.005	<0.005	
9/25/2019	<0.005	<0.005	<0.005			
9/26/2019					<0.005	
9/27/2019				0.0004 (J)		
3/2/2020				<0.005	<0.005	
3/3/2020	0.0018 (J)	0.0004 (J)	<0.005			
3/27/2020				<0.005		
3/31/2020	<0.005	<0.005				
4/1/2020			<0.005		0.00086 (J)	0.00069 (J)
6/17/2020			0.00057 (J)			<0.005
9/15/2020		0.00063 (J)				
9/16/2020	<0.005					
9/17/2020				<0.005	<0.005	
9/21/2020			<0.005			<0.005
2/11/2021	0.00074 (J)	<0.005	<0.005			
2/12/2021					<0.005	<0.005
2/15/2021				<0.005		
3/17/2021				0.00075 (J)	0.00083 (J)	
3/18/2021	0.00069 (J)	<0.005	0.00074 (J)			<0.005
8/18/2021	<0.005					<0.005
8/19/2021		<0.005	<0.005	<0.005	<0.005	
2/8/2022	<0.005	<0.005	<0.005	<0.005		<0.005
2/10/2022					<0.005	
8/10/2022	<0.005	<0.005				<0.005
8/11/2022			<0.005	<0.005	<0.005	
1/27/2023			<0.005			<0.005
1/30/2023	<0.005			<0.005		
2/1/2023		<0.005			<0.005	
8/12/2023			<0.005			
8/13/2023	<0.005	<0.005		<0.005	<0.005	<0.005
2/17/2024	<0.005					
2/18/2024		<0.005	<0.005	<0.005	<0.005	<0.005
8/8/2024	<0.005					
8/9/2024		<0.005	<0.005		<0.005	0.0028 (J)
8/10/2024				<0.005		
2/16/2025	<0.005					<0.005
2/17/2025					<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
2/18/2025		<0.005	<0.005	<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-34D	MW-35	MW-37D	MW-51
6/18/2020	0.0059 (J)	<0.005	0.0048 (J)	
9/21/2020		0.00079 (J)		
9/23/2020	<0.005		<0.005	
2/11/2021			0.0014 (J)	
2/15/2021		<0.005		
3/12/2021			<0.005	
3/19/2021		0.00083 (J)		
8/16/2021	<0.005			
8/18/2021		<0.005	<0.005	<0.005
2/8/2022		<0.005	<0.005	<0.005
2/9/2022	<0.005			
8/10/2022	<0.005		<0.005	
8/11/2022		<0.005		<0.005
1/30/2023	<0.005		<0.005	
2/1/2023		<0.005		<0.005
8/12/2023	<0.005	<0.005		<0.005
8/13/2023			<0.005	
2/18/2024	<0.005		<0.005	
2/19/2024		<0.005		<0.005
8/9/2024		<0.005		<0.005
8/10/2024	<0.005		<0.005	
2/17/2025			<0.005	
2/18/2025	<0.005			
3/6/2025		<0.005		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)	HGWA-6 (bg)
5/19/2016	<0.005	0.0293	<0.005	<0.005	<0.005	
5/20/2016						<0.005
7/11/2016	0.0004 (J)	0.0267		<0.005	0.001 (J)	<0.005
7/12/2016			<0.005			
8/30/2016	<0.005	0.028	<0.005	<0.005	0.001 (J)	<0.005
10/19/2016	<0.005	0.0201	<0.005	<0.005		
10/20/2016					0.0008 (J)	<0.005
12/6/2016	<0.005	0.0184	<0.005	<0.005		
12/8/2016					0.0006 (J)	<0.005
1/24/2017	<0.005	0.0206	<0.005	<0.005	0.0006 (J)	<0.005
3/21/2017	<0.005	0.0251	<0.005	<0.005	0.0008 (J)	<0.005
5/22/2017	<0.005	0.0263	<0.005			
5/23/2017				<0.005	0.0006 (J)	<0.005
4/2/2018	<0.005	0.019		<0.005		
4/3/2018			<0.005		<0.005	<0.005
6/4/2018	<0.005	0.025	<0.005	<0.005		
6/5/2018					<0.005	<0.005
10/1/2018	<0.005	0.026	<0.005	<0.005		
10/2/2018					<0.005	<0.005
3/11/2019				<0.005		
3/12/2019	<0.005	0.017	<0.005		0.00099 (J)	<0.005
4/1/2019			<0.005			
4/2/2019	<0.005	0.019		<0.005	0.0012 (J)	<0.005
9/23/2019	<0.005	0.038	<0.005			
9/24/2019				<0.005	0.00063 (J)	<0.005
3/2/2020	<0.005	0.019	<0.005	0.00063 (J)	0.00093 (J)	<0.005
3/25/2020	<0.005	0.02	<0.005			<0.005
3/26/2020				0.00058 (J)	0.0013 (J)	
8/25/2020		0.018	<0.005			
8/28/2020	<0.005					
9/15/2020	<0.005	0.021	<0.005	<0.005	0.00047 (J)	<0.005
2/8/2021	<0.005			0.00074 (J)		
2/9/2021		0.02	<0.005		0.00071 (J)	<0.005
3/10/2021	<0.005			0.00065 (J)		
3/11/2021		0.013	<0.005		0.0013 (J)	<0.005
8/11/2021	<0.005					
8/12/2021		0.022	<0.005	0.0007 (J)	<0.005	<0.005
2/1/2022	<0.005	0.025	<0.005			
2/7/2022				0.00068 (J)	0.00055 (J)	<0.005
8/2/2022	0.00054 (J)	0.024	<0.005	0.00066 (J)		
8/10/2022					<0.005	<0.005
1/23/2023			<0.005	0.00049 (J)		
1/24/2023	<0.005	0.024				
1/27/2023					0.00063 (J)	<0.005
8/8/2023	0.0008 (J)	0.029	<0.005	0.00041 (J)	<0.005	<0.005
2/13/2024	<0.005	0.022	<0.005	0.00056 (J)	0.00039 (J)	<0.005
8/5/2024	0.00055 (J)	0.032	<0.005			
8/6/2024				<0.005	0.0004 (J)	0.0014 (J)
2/12/2025	<0.005		<0.005	<0.005		
2/14/2025		0.03			<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
5/23/2016				<0.25	0.0419 (J)	<0.005
7/12/2016				0.0232	0.0393	<0.005
9/1/2016				0.0248	0.045	<0.005
10/24/2016				0.0253	0.0557	
10/25/2016						<0.005
12/7/2016				0.0269	0.0536	<0.005
1/26/2017				0.0294	0.055	<0.005
3/22/2017						<0.005
3/23/2017				0.0311	0.0715	
5/24/2017				0.0279	0.0446	<0.005
4/3/2018					0.032	<0.005
4/4/2018				0.025		
6/6/2018				0.027	0.032	<0.005
10/3/2018				0.023	0.051	<0.005
3/14/2019				0.025	0.038	
3/15/2019						<0.005
4/4/2019					0.035	0.00028 (J)
4/5/2019				0.021		
9/24/2019				0.026	0.022	
9/25/2019						<0.005
3/3/2020				0.029	0.03	0.00037 (J)
3/26/2020					0.022	
3/30/2020				0.028		<0.005
9/16/2020		<0.005	<0.005			
9/17/2020	<0.005				0.026	<0.005
9/18/2020				0.027		
11/10/2020		<0.005	<0.005			
11/11/2020	<0.005					
12/15/2020	0.00049 (J)	<0.005	<0.005			
1/19/2021		<0.005	<0.005			
1/20/2021	<0.005					
2/8/2021	<0.005					
2/9/2021		<0.005	<0.005			
2/10/2021						<0.005
2/11/2021				0.033		
2/12/2021					0.019	
3/10/2021	<0.005		<0.005			
3/11/2021		<0.005				
3/16/2021					0.018	
3/17/2021				0.034		<0.005
8/11/2021		<0.005				
8/12/2021	<0.005					
8/13/2021			<0.005			
8/18/2021				0.033		
8/19/2021					0.011	<0.005
2/1/2022		<0.005	<0.005			
2/7/2022	<0.005					
2/8/2022					0.0081	<0.005
2/9/2022				0.038		
8/2/2022		<0.005	<0.005			
8/9/2022	<0.005					
8/10/2022						<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
8/11/2022				0.037	0.0088	
1/23/2023	<0.005					
1/24/2023		<0.005	<0.005			
2/1/2023				0.035	0.0091	<0.005
8/8/2023	<0.005	<0.005	<0.005			
8/13/2023				0.036	0.0016 (J)	<0.005
2/13/2024	<0.005	<0.005	<0.005			
2/17/2024				0.038	0.0058	
2/18/2024						<0.005
8/6/2024	0.0024 (J)	<0.005	<0.005			
8/8/2024					0.0024 (J)	
8/9/2024						<0.005
8/10/2024				0.037		
2/12/2025		<0.005	<0.005			
2/14/2025	<0.005					
2/17/2025					0.007	<0.005
2/18/2025				0.031		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
5/23/2016	0.0167					
5/24/2016		0.17 (J)				
7/12/2016	0.0148	0.168				
9/1/2016	0.0151	0.18				
10/25/2016	0.0141	0.188				
12/7/2016	0.0141					
12/8/2016		0.206				
1/26/2017	0.0154	0.195				
3/22/2017	0.0169					
3/23/2017		0.223				
5/25/2017	0.0154	0.209				
4/3/2018	0.016	0.19				
6/5/2018		0.19				
6/6/2018	0.018					
10/3/2018	0.016	0.19				
3/14/2019		0.16			0.0013 (J)	
3/15/2019	0.017		<0.005	0.028		
4/4/2019			0.00034 (J)			
4/5/2019	0.016	0.14		0.022	0.0012 (J)	
9/25/2019	0.015	0.18	<0.005			
9/26/2019					0.00098 (J)	
9/27/2019				0.035		
1/22/2020						0.052
3/2/2020				0.043	0.0011 (J)	
3/3/2020	0.016	0.15	<0.005			
3/27/2020				0.025		
3/31/2020	0.016	0.16				
4/1/2020			<0.005		0.0011 (J)	0.058
6/17/2020			<0.005			0.053
9/15/2020		0.16				
9/16/2020	0.013					
9/17/2020				0.029	0.00096 (J)	
9/21/2020			<0.005			0.047
2/10/2021		0.14				
2/11/2021	0.012	0.14	<0.005			
2/12/2021					0.001 (J)	0.055
2/15/2021				0.038		
3/17/2021				0.039	0.0011 (J)	
3/18/2021	0.012	0.14	<0.005			0.057
8/18/2021	0.009					0.054
8/19/2021		0.15	<0.005	0.022	0.00089 (J)	
2/8/2022	0.0066	0.16	<0.005	0.034		0.048
2/10/2022					0.001 (J)	
8/10/2022	0.012	0.16				0.046
8/11/2022			<0.005	0.015	0.00088 (J)	
1/27/2023			<0.005			0.034
1/30/2023	0.011			0.027		
2/1/2023		0.11			0.00081 (J)	
8/12/2023			<0.005			
8/13/2023	0.009	0.14		0.0089	0.00073 (J)	0.061
2/17/2024	0.0036 (J)					
2/18/2024		0.15	<0.005	0.019	0.00086 (J)	0.042

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
8/8/2024	0.0045 (J)					
8/9/2024		0.091	<0.005		0.00068 (J)	0.068
8/10/2024				0.015		
2/16/2025	<0.005					0.029
2/17/2025					<0.005	
2/18/2025		0.061	<0.005	0.025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-34D	MW-35	MW-37D	MW-51
6/18/2020	0.011	0.091	0.0015 (J)	
9/21/2020		0.084		
9/23/2020	0.0056		<0.005	
2/11/2021			0.00048 (J)	
2/15/2021		0.095		
3/12/2021			<0.005	
3/19/2021		0.1		
8/16/2021	0.0093			
8/18/2021		0.085	<0.005	0.03
2/8/2022		0.09	<0.005	0.031
2/9/2022	0.0065			
8/10/2022	0.0066		<0.005	
8/11/2022		0.082		0.027
1/30/2023	0.0071		<0.005	
2/1/2023		0.088		0.021 (J)
8/12/2023	0.0058	0.082		0.022
8/13/2023			<0.005	
2/18/2024	0.0067		<0.005	
2/19/2024		0.084		0.046
8/9/2024		0.084		0.027
8/10/2024	0.0064		<0.005	
2/17/2025			<0.005	
2/18/2025	0.0035 (J)			
3/6/2025		0.082		0.014

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)	HGWA-6 (bg)
5/19/2016	0.397	0.627	0.342	0.662	0.685	
5/20/2016						0.843
7/11/2016	0.738	1.38		1.19	1.68	0.494
7/12/2016			0.499			
8/30/2016	0.581	1.05	0.976	0.847	2.42	0.946
10/19/2016	0.213	1.11	0.626	2.34		
10/20/2016					0.351	0.664
12/6/2016	0.444	0.741	0.805	0.925		
12/8/2016					0.905	0.421
1/24/2017	0.373	0.908	0.336	0.607	0.0774	0.965
3/21/2017	0.816	0.567	0.358	0.074	0.0599	0.139
5/22/2017	0.554 (U)	0.638 (U)	0.744 (U)			
5/23/2017				0.55 (U)	0.477 (U)	0.308 (U)
4/2/2018	0.405	0.761		0.371		
4/3/2018			0.684		0.858	0.828
6/4/2018	1.13 (U)	0.975 (U)	0.0291 (U)	0.622 (U)		
6/5/2018					0.767 (U)	0.424 (U)
10/1/2018	0.132 (U)	0.434 (U)	0.781 (U)	0.132 (U)		
10/2/2018					0.489 (U)	0.643 (U)
3/11/2019				0.781 (U)		
3/12/2019	0.327 (U)	0.454 (U)	1.01 (U)		0.833 (U)	0.982 (U)
4/1/2019			0.76 (U)			
4/2/2019	0.739 (U)	0.651 (U)		0.494 (U)	1.07 (U)	0.621 (U)
9/24/2019				0.455 (U)	0.201 (U)	0.874 (U)
9/30/2019	0.306 (U)	1.04 (U)	0.384 (U)			
3/2/2020	0.61 (U)	1.58	0.249 (U)	0.937 (U)	0.547 (U)	0.676 (U)
3/25/2020	4.36	0.621 (U)	0.833 (U)			0.509 (U)
3/26/2020				0.578 (U)	0.907 (U)	
8/25/2020		0.778 (U)	0.33 (U)			
8/28/2020	0 (U)					
9/15/2020	0.748 (U)	0.124 (U)	0.161 (U)	0.179 (U)	0.601 (U)	1.36 (U)
2/8/2021	0.223 (U)			0.558 (U)		
2/9/2021		0.721 (UD)	0.447 (U)		0.37 (U)	0.324 (U)
3/10/2021	0 (U)			0.281 (U)		
3/11/2021		0.737 (U)	0.128 (U)		1.07 (U)	0.601 (U)
8/11/2021	0.115 (U)					
8/12/2021		0.746 (U)	0.4435 (UD)	0.359 (U)	0.922 (U)	0.0804 (U)
2/1/2022	0.143 (U)	0.588 (U)	0.266 (U)			
2/7/2022				0.0978 (U)	0.106 (U)	0.346 (U)
8/2/2022	0.203 (U)	0.861 (U)	0.4 (U)	0.963 (U)		
8/10/2022					0.568 (U)	0.648 (U)
1/23/2023			0.311 (U)	0.961		
1/24/2023	0.549 (U)	0.829 (U)				
1/27/2023					1.47 (U)	0.801 (U)
8/8/2023	0.195 (U)	0.175 (U)	0.411 (U)	0.463 (U)	0.222 (U)	0.168 (U)
2/13/2024	0.194 (U)	0.325 (U)	0.213 (U)	0.721 (U)	0.0243 (U)	0.153 (U)
8/5/2024	0.64 (U)	1.27	0.371 (U)			
8/6/2024				0.369 (U)	0.611 (U)	0.619 (U)
2/12/2025	0.624 (U)					
2/14/2025		1.2 (U)	0.606 (U)	1.83	1.3 (U)	0.159 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
5/23/2016				0.568	0.171	
7/1/2016						0
7/12/2016				1.31	0.611	0.182
9/1/2016				1.64	0.766	1.23
10/24/2016				1.88	0.969	
10/25/2016						1.05
12/7/2016				1.35	0.302	1.11
1/26/2017				2.1	0.626	1.29
3/22/2017						0.453
3/23/2017				1.17	0.662	
5/24/2017				1 (U)	0.202 (U)	1.05
4/3/2018					0.384	0.783
4/4/2018				1.72		
6/6/2018				1.31	1.32	0.595 (U)
10/3/2018				1.48	0.858 (U)	1.03 (U)
3/14/2019				1.5	0.462 (U)	
3/15/2019						0.591 (U)
4/4/2019					0.512 (U)	0.96 (U)
4/5/2019				1.43 (U)		
9/24/2019				1.17	0.582 (U)	
9/25/2019						0.643 (U)
3/3/2020				1.84	1.43	1.32
3/26/2020					0.855 (U)	
3/30/2020				1.08 (U)		0.288 (U)
9/16/2020		0.531 (U)	0.422 (U)			
9/17/2020	0.665 (U)				0.395 (U)	1.1 (U)
9/18/2020				1.8 (U)		
11/10/2020		0.788 (U)	0.293 (U)			
11/11/2020	1.28					
12/15/2020	0.261 (U)	1.04 (U)	0.7 (U)			
1/19/2021		0.685 (U)	0.79 (U)			
1/20/2021	0.845 (U)					
2/8/2021	0.429 (U)					
2/9/2021		0.138 (UD)	0.486 (U)			
2/10/2021						0.773 (U)
2/11/2021				0.73 (U)		
2/12/2021					1.65	
3/10/2021	1.21		0.811 (U)			
3/11/2021		1.51 (U)				
3/16/2021					0.801 (U)	
3/17/2021				1.84		0.228 (U)
8/11/2021		0.394 (U)				
8/12/2021	0.11 (U)					
8/13/2021			1.0795 (UD)			
8/18/2021				0.858 (U)		
8/19/2021					0.527 (U)	0.668 (U)
2/1/2022		1.12	0.665 (U)			
2/7/2022	0.066 (U)					
2/8/2022					0.0242 (U)	0.168 (U)
2/9/2022				0.346 (U)		
8/2/2022		0.662 (U)	0.952 (U)			
8/9/2022	0.158 (U)					

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
8/10/2022						0.249 (U)
8/11/2022				1.31	0.656 (U)	
1/23/2023	1.12					
1/24/2023		1.25	0.421 (U)			
2/1/2023				1.13	0.626 (U)	0.757 (U)
8/8/2023	0.463 (U)	0.503 (U)	0.163 (U)			
8/13/2023				0.801 (U)	0.785 (U)	0.281 (U)
2/13/2024	0.168 (U)	0.86 (U)	0.909			
2/17/2024				0.439 (U)	0.576 (U)	
2/18/2024						0.248 (U)
8/6/2024	0.917 (U)	0.674 (U)	0.529 (U)			
8/8/2024					0.124 (U)	
8/9/2024						0.51 (U)
8/10/2024				0.844 (U)		
2/12/2025		0.624 (U)	0.622 (U)			
2/14/2025	0.3 (U)					
2/17/2025					0.191 (U)	0.825 (U)
2/18/2025				0.685 (U)		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
5/23/2016	0.618					
5/24/2016		1.82				
7/12/2016	0.867	1.76				
9/1/2016	0.857	1.51				
10/25/2016	1.11	2.69				
12/7/2016	0.964					
12/8/2016		2.21				
1/26/2017	0.612	2.26				
3/22/2017	0.437					
3/23/2017		1.81				
5/25/2017	1.21 (U)	1.63				
4/3/2018	0.409	2.53				
6/5/2018		1.91				
6/6/2018	0.772 (U)					
10/3/2018	1.08 (U)	2.22				
3/14/2019		1.37 (U)			0.872 (U)	
3/15/2019	0.917 (U)		0.972 (U)	0.977		
4/4/2019			0.791 (U)			
4/5/2019	1.07 (U)	2.22		1.06 (U)	0.932 (U)	
9/25/2019	1.54	2.77	0.751 (U)			
9/26/2019					1.25	
9/27/2019				1.44 (U)		
3/2/2020				0.872 (U)	0.964 (U)	
3/3/2020	1.33	2.35	1.94			
3/27/2020				0.96 (U)		
3/31/2020	0.591 (U)	2.7				
4/1/2020			0.758 (U)		0.914 (U)	2.57
6/17/2020			0.691 (U)			1.43 (U)
9/15/2020		1.65				
9/16/2020	0.295 (U)					
9/17/2020				0.0879 (U)	0.32 (U)	
9/21/2020			0.436 (U)			2.53
2/11/2021	0.831 (U)	1.11	0.317 (U)			
2/12/2021					1.21 (U)	2.26
2/15/2021				0.215 (U)		
3/17/2021				0.981 (U)	0.579 (U)	
3/18/2021	0.856 (U)	1.63	0.5 (U)			0.733 (U)
8/18/2021	0.548 (U)					1.77
8/19/2021		1.45	1.17	0.689 (U)	0.69 (U)	
2/8/2022	1 (U)	0.93 (U)	0.463 (U)	0.0657 (U)		0.967 (U)
2/10/2022					0.919 (U)	
8/10/2022	0.361 (U)	1.46				1.52
8/11/2022			0.691 (U)	0.789 (U)	0.39 (U)	
1/27/2023			0.256 (U)			1.44 (U)
1/30/2023	0.5 (U)			0.621 (U)		
2/1/2023		0.871			0.406 (U)	
8/12/2023			0.297 (U)			
8/13/2023	0.678 (U)	1.03		0.361 (U)	0.0608 (U)	0.773 (U)
2/17/2024	0.633 (U)					
2/18/2024		0.757 (U)	0.127 (U)	0.471 (U)	0.339 (U)	0.552 (U)
8/8/2024	0.721 (U)					
8/9/2024		1.12	0.526 (U)		0.965 (U)	0.729 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
8/10/2024				0.57 (U)		
2/16/2025	1.24 (U)					1.11 (U)
2/17/2025					0.243 (U)	
2/18/2025		1.56 (U)	0.925 (U)	0.976 (U)		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-34D	MW-35	MW-37D	MW-51
6/18/2020	1.36	2.02	1.79	
9/21/2020		3.85		
9/23/2020	0.563 (U)		0.98 (U)	
2/11/2021			0.12 (U)	
2/15/2021		1.52		
3/12/2021			0.578 (U)	
3/19/2021		0.524 (U)		
8/16/2021	0.693 (U)			
8/18/2021		1.67	1.31	0.973 (U)
2/8/2022		1.38	0.345 (U)	0.431 (U)
2/9/2022	0.297 (U)			
8/10/2022	1.05		0.505 (U)	
8/11/2022		1.71		1.02
1/30/2023	0.689 (U)		0.309 (U)	
2/1/2023		1.24		0.82 (U)
8/12/2023	0.676 (U)	0.897 (U)		0.484 (U)
8/13/2023			0.308 (U)	
2/18/2024	0.515 (U)		0.535 (U)	
2/19/2024		1.43		0.995 (U)
8/9/2024		0.703 (U)		0.478 (U)
8/10/2024	0.59 (U)		0.769 (U)	
2/17/2025			0.656 (U)	
2/18/2025	0.911 (U)			
3/6/2025		1.17 (U)		0.605 (U)

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)	HGWA-6 (bg)
5/19/2016	0.105 (J)	0.0303 (J)	0.0513 (J)	0.036 (J)	0.08 (J)	
5/20/2016						0.065 (J)
7/11/2016	0.16 (J)	0.05 (J)		0.09 (J)	0.09 (J)	0.13 (J)
7/12/2016			0.12 (J)			
8/30/2016	0.09 (J)	0.06 (J)	0.09 (J)	0.06 (J)	0.08 (J)	0.07 (J)
10/19/2016	0.1 (J)	0.04 (J)	0.1 (J)	0.07 (J)		
10/20/2016					0.1 (J)	0.06 (J)
12/6/2016	0.11 (J)	0.36	0.21 (J)	0.07 (J)		
12/8/2016					0.08 (J)	0.06 (J)
1/24/2017	0.09 (J)	<0.1	0.06 (J)	<0.1	0.09 (J)	0.02 (J)
3/21/2017	0.13 (J)	<0.1	0.005 (J)	<0.1	0.04 (J)	0.08 (J)
5/22/2017	0.12 (J)	<0.1	0.05 (J)			
5/23/2017				0.01 (J)	0.04 (J)	0.006 (J)
10/3/2017	0.13 (J)	<0.1	0.13 (J)	<0.1	0.06 (J)	<0.1
4/2/2018	<0.3	<0.1		<0.1		
4/3/2018			<0.1		<0.1	<0.1
6/4/2018	0.074 (J)	<0.1	<0.1	0.097 (J)		
6/5/2018					0.083 (J)	0.055 (J)
10/1/2018	<0.3	<0.1	<0.1	<0.1		
10/2/2018					<0.1	0.076 (J)
3/11/2019				0.035 (J)		
3/12/2019	0.29 (J)	0.038 (J)	0.072 (J)		0.079 (J)	0.061 (J)
4/1/2019			0.029 (J)			
4/2/2019	0.1 (J)	0.071 (J)		<0.1	0.12 (J)	<0.1
9/23/2019	0.078 (J)	<0.1	<0.1			
9/24/2019				<0.1	0.058 (J)	<0.1
3/2/2020	0.076 (J)	<0.1	<0.1	<0.1	0.053 (J)	<0.1
3/25/2020	0.098 (J)	<0.1	<0.1			<0.1
3/26/2020				<0.1	0.066 (J)	
6/16/2020	0.071 (J)		<0.1			
8/25/2020		<0.1	<0.1			
8/28/2020	0.08 (J)					
9/15/2020	0.082 (J)	<0.1	<0.1	<0.1	0.061 (J)	<0.1
2/8/2021	0.078 (J)			<0.1		
2/9/2021		<0.1	0.074 (J)		0.053 (J)	<0.1
3/10/2021	0.079 (J)			<0.1		
3/11/2021		0.1	<0.1		0.06 (J)	0.17
8/11/2021	0.058 (J)					
8/12/2021		<0.1	<0.1	<0.1	<0.1	<0.1
2/1/2022	0.064 (J)	<0.1	<0.1			
2/7/2022				<0.1	<0.1	<0.1
8/2/2022	0.09 (J)	0.053 (J)	0.067 (J)	0.076 (J)		
8/10/2022					0.078 (J)	0.067 (J)
1/23/2023			0.061 (J)	0.12		
1/24/2023	0.089 (J)	0.053 (J)				
1/27/2023					0.088 (J)	0.067 (J)
8/8/2023	0.088 (J)	0.07 (J)	0.055 (J)	0.11	0.059 (J)	0.072 (J)
2/13/2024	0.071 (J)	0.17	<0.1	0.13	0.059 (J)	0.065 (J)
8/5/2024	0.11	0.12	0.077 (J)			
8/6/2024				0.19	0.098 (J)	0.08 (J)
2/12/2025	0.1		0.073 (J)	0.16		
2/14/2025		0.1			<0.1	<0.1

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
5/23/2016				<0.1	<0.1	0.038 (J)
7/12/2016				0.2 (J)	0.09 (J)	0.26 (J)
9/1/2016				0.08 (J)	0.22 (J)	0.42
10/24/2016				0.04 (J)	0.07 (J)	
10/25/2016						0.25 (J)
12/7/2016				0.11 (J)	0.23 (J)	0.23 (J)
1/26/2017				0.13 (J)	<0.1	0.02 (J)
3/22/2017						0.3
3/23/2017				0.28 (J)	0.12 (J)	
5/24/2017				0.32	0.31	0.46
10/4/2017				0.52	0.6	<0.1
4/3/2018					<0.1	<0.1
4/4/2018				<0.1		
6/6/2018				0.25 (J)	0.17 (J)	<0.1
10/3/2018				0.21 (J)	<0.1	<0.1
3/14/2019				0.24 (J)	<0.1	
3/15/2019						<0.1
4/4/2019					0.066 (J)	<0.1
4/5/2019				0.66		
9/24/2019				0.053 (J)	0.12 (J)	
9/25/2019						<0.1
3/3/2020				<0.1	0.064 (J)	<0.1
3/26/2020					<0.1	
3/30/2020				0.092 (J)		0.059 (J)
9/16/2020		0.22	0.37 (D)			
9/17/2020	0.2				<0.1	<0.1
9/18/2020				<0.1		
11/10/2020		0.19	0.59			
11/11/2020	0.1					
12/15/2020	0.11	0.21	0.67			
1/19/2021		0.16	0.74			
1/20/2021	0.082 (J)					
2/8/2021	0.096 (J)					
2/9/2021		0.19	0.44			
2/10/2021						0.21
2/11/2021				0.059 (J)		
2/12/2021					0.053 (J)	
3/10/2021	0.11		0.65			
3/11/2021		0.2				
3/16/2021					<0.1	
3/17/2021				0.076 (J)		<0.1
8/11/2021		0.15				
8/12/2021	0.079 (J)					
8/13/2021			0.87			
8/18/2021				<0.1		
8/19/2021					<0.1	<0.1
2/1/2022		0.19	0.96			
2/7/2022	0.085 (J)					
2/8/2022					<0.1	<0.1
2/9/2022				0.053 (J)		
8/2/2022		0.22	0.8			
8/9/2022	0.12					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
8/10/2022						0.054 (J)
8/11/2022				0.085 (J)	0.097 (J)	
1/23/2023	0.11					
1/24/2023		0.23	1.3			
2/1/2023				0.094 (J)	0.086 (J)	0.053 (J)
8/8/2023	0.1	0.18	1.3			
8/13/2023				0.1	0.12	0.053 (J)
2/13/2024	0.087 (J)	0.2	1.5			
2/17/2024				0.065 (J)	0.064 (J)	
2/18/2024						<0.1
8/6/2024	0.12	0.21	1.3			
8/8/2024					0.08 (J)	
8/9/2024						0.052 (J)
8/10/2024				0.19		
2/12/2025		0.21	1.1			
2/14/2025	0.073 (J)					
2/17/2025					0.052 (J)	<0.1
2/18/2025				0.055 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
5/23/2016	<0.3					
5/24/2016		<0.3				
7/12/2016	0.09 (J)	0.54				
9/1/2016	0.03 (J)	0.49				
10/25/2016	0.07 (J)	0.58				
12/7/2016	0.54					
12/8/2016		0.63				
1/26/2017	<0.3	0.71				
3/22/2017	0.07 (J)					
3/23/2017		0.57				
5/25/2017	0.42	0.54				
10/4/2017	0.93	0.95				
4/3/2018	<0.3	0.33				
6/5/2018		0.66				
6/6/2018	0.23 (J)					
10/3/2018	<0.3	0.32				
3/14/2019		0.88			<0.1	
3/15/2019	<0.3		<0.1	<0.1		
4/4/2019			0.1 (J)			
4/5/2019	0.16 (J)	0.37		0.13 (J)	0.14 (J)	
9/25/2019	0.081 (J)	0.73	<0.1			
9/26/2019					0.16 (J)	
9/27/2019				0.28 (J)		
1/22/2020						0.18 (J)
3/2/2020				<0.1	<0.1	
3/3/2020	<0.3	0.34	<0.1			
3/27/2020				<0.1		
3/31/2020	<0.3	0.45				
4/1/2020			<0.1		<0.1	0.15 (J)
6/17/2020			<0.1			0.25
9/15/2020		0.31				
9/16/2020	0.058 (J)					
9/17/2020				<0.1	<0.1	
9/21/2020			<0.1			0.14
2/11/2021	0.058 (J)	0.71	<0.1			
2/12/2021					<0.1	0.25
2/15/2021				<0.1		
3/17/2021				<0.1	<0.1	
3/18/2021	0.057 (J)	0.64	<0.1			0.4
8/18/2021	0.062 (J)					0.16
8/19/2021		0.31	<0.1	<0.1	<0.1	
2/8/2022	0.055 (J)	0.19	<0.1	<0.1		0.14
2/10/2022					<0.1	
8/10/2022	0.086 (J)	0.3				0.21
8/11/2022			0.056 (J)	0.063 (J)	0.06 (J)	
1/27/2023			0.05 (J)			0.087 (J)
1/30/2023	0.097 (J)			0.064 (J)		
2/1/2023		0.21			0.074 (J)	
8/12/2023			<0.1			
8/13/2023	0.081 (J)	0.25		0.057 (J)	0.061 (J)	0.22
2/17/2024	0.057 (J)					
2/18/2024		0.17	<0.1	<0.1	<0.1	0.088 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
8/8/2024	0.066 (J)					
8/9/2024		0.28	0.078 (J)		0.075 (J)	0.39
8/10/2024				0.078 (J)		
2/16/2025	0.05 (J)					0.089 (J)
2/17/2025					<0.1	
2/18/2025		0.067 (J)	<0.1	<0.1		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-34D	MW-35	MW-37D	MW-51
6/18/2020	0.082 (J)	0.053 (J)	0.1	
9/21/2020		<0.1		
9/23/2020	<0.1		0.065 (J)	
2/11/2021			0.077 (J)	
2/15/2021		0.093 (J)		
3/12/2021			0.061 (J)	
3/19/2021		0.082 (J)		
8/16/2021	0.066 (J)			
8/18/2021		0.052 (J)	0.05 (J)	0.072 (J)
2/8/2022		0.065 (J)	0.055 (J)	0.078 (J)
2/9/2022	0.051 (J)			
8/10/2022	0.081 (J)		0.084 (J)	
8/11/2022		0.088 (J)		0.11
1/30/2023	0.089 (J)		0.092 (J)	
2/1/2023		0.1		0.18
8/12/2023	0.062 (J)	0.077 (J)		0.1
8/13/2023			0.11	
2/18/2024	<0.1		0.05 (J)	
2/19/2024		0.16		0.12
8/9/2024		0.13		0.15
8/10/2024	0.1		0.094 (J)	
2/17/2025			<0.1	
2/18/2025	<0.1			
3/6/2025		0.066 (J)		0.078 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)	HGWA-6 (bg)
5/19/2016	<0.001	<0.001	<0.001	<0.001	<0.001	
5/20/2016						<0.001
7/11/2016	<0.001	<0.001		<0.001	<0.001	<0.001
7/12/2016			0.0001 (J)			
8/30/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
10/19/2016	<0.001	<0.001	<0.001	<0.001		
10/20/2016					0.0002 (J)	<0.001
12/6/2016	<0.001	<0.001	<0.001	0.0002 (J)		
12/8/2016					<0.001	<0.001
1/24/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/21/2017	<0.001	6E-05 (J)	0.0001 (J)	<0.001	<0.001	<0.001
5/22/2017	<0.001	9E-05 (J)	<0.001			
5/23/2017				<0.001	9E-05 (J)	0.0003 (J)
4/2/2018	<0.001	<0.001		<0.001		
4/3/2018			<0.001		<0.001	<0.001
3/11/2019				<0.001		
3/12/2019	<0.001	<0.001	<0.001		<0.001	<0.001
4/1/2019			<0.001			
4/2/2019	<0.001	<0.001		<0.001	<0.001	<0.001
9/23/2019	7.8E-05 (J)	9.2E-05 (J)	<0.001			
9/24/2019				<0.001	<0.001	7.1E-05 (J)
3/2/2020	4.8E-05 (J)	9.5E-05 (J)	<0.001	0.00026 (J)	<0.001	<0.001
3/25/2020	<0.001	0.00011 (J)	<0.001			<0.001
3/26/2020				5.9E-05 (J)	<0.001	
8/25/2020		8.5E-05 (J)	<0.001			
8/28/2020	7E-05 (J)					
9/15/2020	<0.001	8E-05 (J)	4.2E-05 (J)	4.9E-05 (J)	<0.001	<0.001
2/8/2021	5.8E-05 (J)			0.00024 (J)		
2/9/2021		9.4E-05 (J)	<0.001		<0.001	<0.001
3/10/2021	<0.001			0.00016 (J)		
3/11/2021		7.6E-05 (J)	<0.001		<0.001	<0.001
8/11/2021	<0.001					
8/12/2021		<0.001	<0.001	<0.001	<0.001	<0.001
2/1/2022	<0.001	<0.001	<0.001			
2/7/2022				<0.001	<0.001	<0.001
8/2/2022	<0.001	<0.001	<0.001	<0.001		
8/10/2022					<0.001	<0.001
1/23/2023			<0.001	<0.001		
1/24/2023	<0.001	<0.001				
1/27/2023					<0.001	<0.001
8/8/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/13/2024	<0.001	0.00018 (J)	<0.001	0.00019 (J)	<0.001	<0.001
8/5/2024	<0.001	<0.001	<0.001			
8/6/2024				<0.001	<0.001	<0.001
2/12/2025	<0.001		<0.001	<0.001		
2/14/2025		<0.001			<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
5/23/2016				0.00182 (J)	<0.001	<0.001
7/12/2016				0.0015 (J)	<0.001	<0.001
9/1/2016				0.0016 (J)	<0.001	<0.001
10/24/2016				0.0016 (J)	<0.001	
10/25/2016						<0.001
12/7/2016				0.0018 (J)	<0.001	<0.001
1/26/2017				0.002 (J)	<0.001	0.0001 (J)
3/22/2017						0.0002 (J)
3/23/2017				0.0019 (J)	0.001 (J)	
5/24/2017				0.0016 (J)	0.0001 (J)	0.0001 (J)
4/3/2018					<0.001	<0.001
4/4/2018				<0.001		
3/14/2019				0.0014 (J)	<0.001	
3/15/2019						<0.001
4/4/2019					7.2E-05 (J)	0.00016 (J)
4/5/2019				0.0012 (J)		
9/24/2019				0.0013 (J)	0.0002 (J)	
9/25/2019						<0.001
3/3/2020				0.0017 (J)	5.3E-05 (J)	0.00016 (J)
3/26/2020					<0.001	
3/30/2020				0.0015 (J)		7.3E-05 (J)
9/16/2020		5E-05 (J)	0.00021 (J)			
9/17/2020	6.2E-05 (J)				<0.001	7.8E-05 (J)
9/18/2020				0.0012 (J)		
11/10/2020		6.9E-05 (J)	0.0002 (J)			
11/11/2020	8.4E-05 (J)					
12/15/2020	0.00045 (J)	8.2E-05 (J)	0.00011 (J)			
1/19/2021		4.4E-05 (J)	0.00019 (J)			
1/20/2021	<0.001					
2/8/2021	8.1E-05 (J)					
2/9/2021		0.00029 (J)	0.0001 (J)			
2/10/2021						9.4E-05 (J)
2/11/2021				0.0015 (J)		
2/12/2021					<0.001	
3/10/2021	<0.001		<0.001			
3/11/2021		9.4E-05 (J)				
3/16/2021					<0.001	
3/17/2021				0.0019		5.8E-05 (J)
8/11/2021		<0.001				
8/12/2021	<0.001					
8/13/2021			<0.001			
8/18/2021				0.0015		
8/19/2021					<0.001	<0.001
2/1/2022		<0.001	<0.001			
2/7/2022	<0.001					
2/8/2022					<0.001	<0.001
2/9/2022				0.0014		
8/2/2022		<0.001	<0.001			
8/9/2022	<0.001					
8/10/2022						<0.001
8/11/2022				<0.001	<0.001	
1/23/2023	<0.001					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
1/24/2023		<0.001	<0.001			
2/1/2023				0.0011	<0.001	<0.001
8/8/2023	<0.001	<0.001	<0.001			
8/13/2023				0.00079 (J)	<0.001	<0.001
2/13/2024	0.00085 (J)	<0.001	<0.001			
2/17/2024				0.0012	<0.001	
2/18/2024						<0.001
8/6/2024	<0.001	<0.001	<0.001			
8/8/2024					<0.001	
8/9/2024						<0.001
8/10/2024				0.0012		
2/12/2025		<0.001	<0.001			
2/14/2025	<0.001					
2/17/2025					<0.001	<0.001
2/18/2025				0.00097 (J)		

Time Series

Constituent: Lead (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
5/23/2016	<0.001					
5/24/2016		0.00154 (J)				
7/12/2016	<0.001	0.0012 (J)				
9/1/2016	<0.001	0.0014 (J)				
10/25/2016	<0.001	0.0015 (J)				
12/7/2016	<0.001					
12/8/2016		0.0017 (J)				
1/26/2017	<0.001	0.0013 (J)				
3/22/2017	0.0001 (J)					
3/23/2017		0.001 (J)				
5/25/2017	<0.001	0.0012 (J)				
4/3/2018	<0.001	<0.001				
3/14/2019		0.0015 (J)			<0.001	
3/15/2019	<0.001		<0.001	<0.001		
4/4/2019			<0.001			
4/5/2019	7.6E-05 (J)	0.0015 (J)		<0.001	<0.001	
9/25/2019	8.9E-05 (J)	0.0015 (J)	<0.001			
9/26/2019					<0.001	
9/27/2019				0.0001 (J)		
3/2/2020				9.4E-05 (J)	5.1E-05 (J)	
3/3/2020	0.00013 (J)	0.0013 (J)	4.7E-05 (J)			
3/27/2020				<0.001		
3/31/2020	7.7E-05 (J)	0.0014 (J)				
4/1/2020			4.8E-05 (J)		<0.001	0.0017 (J)
6/17/2020			<0.001			0.0017 (J)
9/15/2020		0.0014 (J)				
9/16/2020	6.5E-05 (J)					
9/17/2020				<0.001	0.00016 (J)	
9/21/2020			<0.001			0.0017 (J)
2/11/2021	0.00018 (J)	0.00098 (J)	0.00066 (J)			
2/12/2021					<0.001	0.0018 (J)
2/15/2021				3.6E-05 (J)		
3/17/2021				<0.001	<0.001	
3/18/2021	8.8E-05 (J)	0.00096 (J)	7.3E-05 (J)			0.0017
8/18/2021	<0.001					0.0016
8/19/2021		0.0013	<0.001	<0.001	<0.001	
2/8/2022	<0.001	0.0009 (J)	<0.001	<0.001		0.0014
2/10/2022					<0.001	
8/10/2022	<0.001	0.0011				<0.001
8/11/2022			<0.001	<0.001	<0.001	
1/27/2023			<0.001			<0.001
1/30/2023	<0.001			<0.001		
2/1/2023		<0.001			<0.001	
8/12/2023			<0.001			
8/13/2023	0.00049 (J)	0.00075 (J)		<0.001	<0.001	0.0011
2/17/2024	<0.001					
2/18/2024		0.0011	<0.001	<0.001	<0.001	0.00084 (J)
8/8/2024	0.00032 (J)					
8/9/2024		0.0007 (J)	<0.001		<0.001	0.0023
8/10/2024				<0.001		
2/16/2025	<0.001					0.00041 (J)
2/17/2025					<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
2/18/2025		0.00038 (J)	<0.001	<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-34D	MW-35	MW-37D	MW-51
6/18/2020	0.00087 (J)	0.00016 (J)	0.0017 (J)	
9/21/2020		0.00099 (J)		
9/23/2020	<0.001		8.2E-05 (J)	
2/11/2021			0.00039 (J)	
2/15/2021		0.00055 (J)		
3/12/2021			<0.001	
3/19/2021		0.00066 (J)		
8/16/2021	<0.001			
8/18/2021		<0.001	<0.001	<0.001
2/8/2022		<0.001	<0.001	<0.001
2/9/2022	<0.001			
8/10/2022	<0.001		<0.001	
8/11/2022		<0.001		<0.001
1/30/2023	<0.001		<0.001	
2/1/2023		<0.001		<0.001
8/12/2023	<0.001	0.00035 (J)		<0.001
8/13/2023			<0.001	
2/18/2024	<0.001		<0.001	
2/19/2024		0.0006 (J)		<0.001
8/9/2024		0.00068 (J)		<0.001
8/10/2024	<0.001		<0.001	
2/17/2025			<0.001	
2/18/2025	<0.001			
3/6/2025		0.00035 (J)		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)	HGWA-6 (bg)
5/19/2016	<0.03	<0.03	<0.03	<0.03	<0.03	
5/20/2016						<0.03
7/11/2016	<0.03	0.0014 (J)		0.0015 (J)	0.0034 (J)	0.01 (J)
7/12/2016			0.0024 (J)			
8/30/2016	<0.03	<0.03	0.0025 (J)	0.0027 (J)	0.003 (J)	0.0095 (J)
10/19/2016	<0.03	<0.03	0.003 (J)	0.0042 (J)		
10/20/2016					0.0031 (J)	0.0105 (J)
12/6/2016	<0.03	<0.03	0.0033 (J)	0.0046 (J)		
12/8/2016					0.0027 (J)	0.01 (J)
1/24/2017	<0.03	<0.03	0.003 (J)	<0.03	0.0028 (J)	0.0108 (J)
3/21/2017	<0.03	0.0012 (J)	0.0034 (J)	<0.03	0.0037 (J)	0.0115 (J)
5/22/2017	<0.03	<0.03	0.003 (J)			
5/23/2017				<0.03	0.0033 (J)	0.011 (J)
4/2/2018	<0.03	0.0015 (J)		<0.03		
4/3/2018			0.003 (J)		0.0033 (J)	0.012 (J)
6/4/2018	0.001 (J)	0.0016 (J)	0.0027 (J)	0.00097 (J)		
6/5/2018					0.0034 (J)	0.011 (J)
10/1/2018	0.00099 (J)	0.0013 (J)	0.0032 (J)	<0.03		
10/2/2018					0.0035 (J)	0.01 (J)
3/11/2019				<0.03		
3/12/2019	0.001 (J)	0.0018 (J)	0.0032 (J)		0.0032 (J)	0.011 (J)
4/1/2019			0.0032 (J)			
4/2/2019	0.001 (J)	0.0018 (J)		0.00098 (J)	0.0028 (J)	0.0095 (J)
9/23/2019	0.0011 (J)	0.0016 (J)	0.0029 (J)			
9/24/2019				<0.03	0.0035 (J)	0.011 (J)
3/2/2020	0.0012 (J)	0.0017 (J)	0.0037 (J)	0.0012 (J)	0.0036 (J)	0.012 (J)
3/25/2020	0.00083 (J)	0.0017 (J)	0.0035 (J)			0.011 (J)
3/26/2020				0.00095 (J)	0.0029 (J)	
8/25/2020		0.0015 (J)	0.0027 (J)			
8/28/2020	0.00087 (J)					
9/15/2020	0.00087 (J)	0.0015 (J)	0.0026 (J)	<0.03	0.003 (J)	0.0095 (J)
2/8/2021	0.00086 (J)			0.0013 (J)		
2/9/2021		0.0012 (J)	0.0032 (J)		0.003 (J)	0.01 (J)
3/10/2021	0.0009 (J)			0.0011 (J)		
3/11/2021		0.0011 (J)	0.0035 (J)		0.0037 (J)	0.012 (J)
8/11/2021	0.00078 (J)					
8/12/2021		0.0012 (J)	0.0028 (J)	0.0013 (J)	0.0032 (J)	0.0094 (J)
2/1/2022	0.0011 (J)	0.0017 (J)	0.0037 (J)			
2/7/2022				0.0013 (J)	0.0029 (J)	0.0097 (J)
8/2/2022	<0.03	0.0013 (J)	0.003 (J)	0.0011 (J)		
8/10/2022					0.0028 (J)	0.01 (J)
1/23/2023			0.003 (J)	<0.03		
1/24/2023	0.00092 (J)	0.0014 (J)				
1/27/2023					0.003 (J)	0.0096 (J)
8/8/2023	<0.03	0.0017 (J)	0.0031 (J)	<0.03	0.0095 (J)	0.0028 (J)
2/13/2024	<0.03	0.0017 (J)	0.0034 (J)	<0.03	0.0032 (J)	0.01 (J)
8/5/2024	<0.03	0.0019 (J)	0.0034 (J)			
8/6/2024				0.0029 (J)	<0.03	<0.03
2/12/2025	0.00119 (J)		0.00331 (J)	0.00126 (J)		
2/14/2025		0.00183 (J)			0.00335 (J)	0.0115 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
5/23/2016				<0.03	<0.03	<0.03
7/12/2016				<0.03	<0.03	0.0037 (J)
9/1/2016				<0.03	0.0021 (J)	0.0033 (J)
10/24/2016				<0.03	<0.03	
10/25/2016						0.0029 (J)
12/7/2016				<0.03	<0.03	0.0029 (J)
1/26/2017				<0.03	<0.03	0.0028 (J)
3/22/2017						0.0025 (J)
3/23/2017				<0.03	0.0016 (J)	
5/24/2017				<0.03	0.0029 (J)	0.0029 (J)
4/3/2018					0.0026 (J)	0.0028 (J)
4/4/2018				<0.03		
6/6/2018				<0.03	0.0013 (J)	0.0031 (J)
10/3/2018				<0.03	0.0017 (J)	0.0026 (J)
3/14/2019				<0.03	<0.03	
3/15/2019						0.0041 (J)
4/4/2019					0.0009 (J)	0.0032 (J)
4/5/2019				<0.03		
9/24/2019				<0.03	0.0012 (J)	
9/25/2019						0.0038 (J)
3/3/2020				<0.03	0.0084 (J)	0.0047 (J)
3/26/2020					0.0061 (J)	
3/30/2020				<0.03		0.0041 (J)
9/16/2020		0.0018 (J)	0.014 (J)			
9/17/2020	0.0039 (J)				0.0094 (J)	0.0043 (J)
9/18/2020				<0.03		
11/10/2020		0.0013 (J)	0.025 (J)			
11/11/2020	0.0086 (J)					
12/15/2020	0.008 (J)	0.0019 (J)	0.028 (J)			
1/19/2021		0.0025 (J)	0.034			
1/20/2021	0.01 (J)					
2/8/2021	0.0098 (J)					
2/9/2021		0.0026 (J)	0.026 (J)			
2/10/2021						0.0038 (J)
2/11/2021				<0.03		
2/12/2021					0.036	
3/10/2021	0.0094 (J)		0.03			
3/11/2021		0.0022 (J)				
3/16/2021					0.032	
3/17/2021				<0.03		0.0048 (J)
8/11/2021		0.0024 (J)				
8/12/2021	0.0096 (J)					
8/13/2021			0.032			
8/18/2021				<0.03		
8/19/2021					0.0058 (J)	0.0042 (J)
2/1/2022		0.0024 (J)	0.048			
2/7/2022	0.0097 (J)					
2/8/2022					0.014 (J)	0.0034 (J)
2/9/2022				<0.03		
8/2/2022		0.0019 (J)	0.041			
8/9/2022	0.011 (J)					
8/10/2022						0.0032 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
8/11/2022				<0.03	0.0025 (J)	
1/23/2023	0.0097 (J)					
1/24/2023		0.002 (J)	0.064			
2/1/2023				<0.03	0.016 (J)	0.0036 (J)
8/8/2023	0.01 (J)	0.0021 (J)	0.092			
8/13/2023				<0.03	0.0047 (J)	0.003 (J)
2/13/2024	0.011 (J)	0.0024 (J)	0.088			
2/17/2024				0.0029 (J)	0.014 (J)	
2/18/2024						0.003 (J)
8/6/2024	0.0021 (J)	0.0025 (J)	0.1			
8/8/2024					0.0042 (J)	
8/9/2024						0.0028 (J)
8/10/2024				<0.03		
2/12/2025		0.00266 (J)	0.101			
2/14/2025	0.0118 (J)					
2/17/2025					0.0146 (J)	0.00272 (J)
2/18/2025				0.000675 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
5/23/2016	<0.03					
5/24/2016		0.0142 (J)				
7/12/2016	<0.03	0.0141 (J)				
9/1/2016	<0.03	0.0158 (J)				
10/25/2016	<0.03	0.016 (J)				
12/7/2016	<0.03					
12/8/2016		0.0144 (J)				
1/26/2017	<0.03	0.0136 (J)				
3/22/2017	<0.03					
3/23/2017		0.0151 (J)				
5/25/2017	0.0011 (J)	0.0154 (J)				
4/3/2018	<0.03	0.013 (J)				
6/5/2018		0.013 (J)				
6/6/2018	<0.03					
10/3/2018	<0.03	0.015 (J)				
3/14/2019		0.011 (J)			0.0028 (J)	
3/15/2019	0.0011 (J)		0.025 (J)	0.002 (J)		
4/4/2019			0.019 (J)			
4/5/2019	0.00074 (J)	0.0084 (J)		0.0013 (J)	0.0021 (J)	
9/25/2019	0.0011 (J)	0.015 (J)	0.024 (J)			
9/26/2019					0.0023 (J)	
9/27/2019				0.0013 (J)		
3/2/2020				0.0015 (J)	0.0025 (J)	
3/3/2020	0.0012 (J)	0.012 (J)	0.026 (J)			
3/27/2020				0.0013 (J)		
3/31/2020	0.0009 (J)	0.012 (J)				
4/1/2020			0.026 (J)		0.0024 (J)	0.0011 (J)
6/17/2020			0.023 (J)			0.00097 (J)
9/15/2020		0.014 (J)				
9/16/2020	0.0012 (J)					
9/17/2020				0.0011 (J)	0.0021 (J)	
9/21/2020			0.022 (J)			0.00086 (J)
2/11/2021	0.0013 (J)	0.011 (J)	0.021 (J)			
2/12/2021					0.0023 (J)	0.0011 (J)
2/15/2021				0.0011 (J)		
3/17/2021				0.0012 (J)	0.0024 (J)	
3/18/2021	0.0014 (J)	0.013 (J)	0.026 (J)			0.0012 (J)
8/18/2021	0.0012 (J)					0.00097 (J)
8/19/2021		0.013 (J)	0.022 (J)	0.0012 (J)	0.0022 (J)	
2/8/2022	0.0014 (J)	0.01 (J)	0.022 (J)	0.0011 (J)		0.001 (J)
2/10/2022					0.0029 (J)	
8/10/2022	0.0014 (J)	0.012 (J)				0.0009 (J)
8/11/2022			0.022 (J)	0.0011 (J)	0.002 (J)	
1/27/2023			0.018 (J)			<0.03
1/30/2023	0.0014 (J)			0.0011 (J)		
2/1/2023		0.0093 (J)			0.0019 (J)	
8/12/2023			0.015 (J)			
8/13/2023	0.0018 (J)	0.012 (J)		0.0014 (J)	0.0017 (J)	0.00077 (J)
2/17/2024	<0.03					
2/18/2024		0.0098 (J)	0.012 (J)	<0.03	0.0016 (J)	<0.03
8/8/2024	0.0017 (J)					
8/9/2024		0.011 (J)	0.011 (J)		<0.03	0.0022 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
8/10/2024				<0.03		
2/16/2025	0.00123 (J)					0.000839 (J)
2/17/2025					0.00197 (J)	
2/18/2025		0.00876 (J)	0.0119 (J)	0.00119 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-34D	MW-35	MW-37D	MW-51
6/18/2020	0.0021 (J)	0.0046 (J)	0.038 (J)	
9/21/2020		0.0036 (J)		
9/23/2020	0.0011 (J)		0.031	
2/11/2021			0.034	
2/15/2021		0.0043 (J)		
3/12/2021			0.035	
3/19/2021		0.0045 (J)		
8/16/2021	0.001 (J)			
8/18/2021		0.0036 (J)	0.03	0.0022 (J)
2/8/2022		0.0039 (J)	0.029 (J)	0.001 (J)
2/9/2022	0.0022 (J)			
8/10/2022	0.0015 (J)		0.025 (J)	
8/11/2022		<0.03		0.0014 (J)
1/30/2023	0.0013 (J)		0.021 (J)	
2/1/2023		0.0034 (J)		0.0015 (J)
8/12/2023	0.0013 (J)	0.0031 (J)		0.00098 (J)
8/13/2023			0.02 (J)	
2/18/2024	<0.03		0.021 (J)	
2/19/2024		0.0031 (J)		0.0017 (J)
8/9/2024		0.0034 (J)		<0.03
8/10/2024	<0.03		0.021 (J)	
2/17/2025			0.0216 (J)	
2/18/2025	0.0023 (J)			
3/6/2025		0.00319 (J)		0.00184 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)	HGWA-6 (bg)
5/19/2016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
5/20/2016						<0.0002
7/11/2016	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002
7/12/2016			<0.0002			
8/30/2016	4E-05 (J)	4E-05 (J)	<0.0002	5E-05 (J)	<0.0002	4.4E-05 (J)
10/19/2016	<0.0002	<0.0002	<0.0002	<0.0002		
10/20/2016					<0.0002	<0.0002
12/6/2016	<0.0002	<0.0002	<0.0002	5E-05 (J)		
12/8/2016					<0.0002	<0.0002
1/24/2017	<0.0002	<0.0002	<0.0002	0.0001 (J)	<0.0002	<0.0002
3/21/2017	<0.0002	<0.0002	<0.0002	0.00016 (J)	<0.0002	<0.0002
5/22/2017	<0.0002	<0.0002	<0.0002			
5/23/2017				5E-05 (J)	<0.0002	<0.0002
4/2/2018	<0.0002	<0.0002		<0.0002		
4/3/2018			<0.0002		<0.0002	<0.0002
3/11/2019				<0.0002		
3/12/2019	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002
3/2/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/25/2020		<0.0002	<0.0002			
8/28/2020	<0.0002					
2/8/2021	<0.0002			<0.0002		
2/9/2021		<0.0002	<0.0002		<0.0002	<0.0002
8/11/2021	<0.0002					
8/12/2021		<0.0002	<0.0002			
2/1/2022	<0.0002	<0.0002	<0.0002			
2/7/2022				<0.0002	<0.0002	<0.0002
8/2/2022	<0.0002	<0.0002	<0.0002	<0.0002		
8/10/2022					<0.0002	<0.0002
1/23/2023			<0.0002	<0.0002		
1/24/2023	<0.0002	<0.0002				
1/27/2023					<0.0002	<0.0002
8/8/2023	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/13/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/5/2024	<0.0002	<0.0002	<0.0002			
8/6/2024				<0.0002	<0.0002	<0.0002
2/12/2025	<0.0002		<0.0002	<0.0002		
2/14/2025		<0.0002			<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
5/23/2016				<0.0002	<0.0002	<0.0002
7/12/2016				<0.0002	<0.0002	<0.0002
9/1/2016				<0.0002	<0.0002	<0.0002
10/24/2016				<0.0002	<0.0002	
10/25/2016						<0.0002
12/7/2016				<0.0002	<0.0002	<0.0002
1/26/2017				<0.0002	<0.0002	<0.0002
3/22/2017						<0.0002
3/23/2017				<0.0002	<0.0002	
5/24/2017				<0.0002	<0.0002	<0.0002
4/3/2018					<0.0002	<0.0002
4/4/2018				<0.0002		
3/14/2019				<0.0002	<0.0002	
3/15/2019						<0.0002
9/24/2019					0.024	
3/3/2020				<0.0002	<0.0002	<0.0002
9/16/2020		<0.0002	<0.0002			
9/17/2020	<0.0002					
11/10/2020		<0.0002	<0.0002			
11/11/2020	<0.0002					
12/15/2020	<0.0002	<0.0002	<0.0002			
1/19/2021		<0.0002	<0.0002			
1/20/2021	<0.0002					
2/8/2021	<0.0002					
2/9/2021		<0.0002	<0.0002			
2/10/2021						<0.0002
2/11/2021				<0.0002		
2/12/2021					<0.0002	
8/11/2021		<0.0002				
8/13/2021			<0.0002			
2/1/2022		<0.0002	<0.0002			
2/7/2022	<0.0002					
2/8/2022					<0.0002	<0.0002
2/9/2022				<0.0002		
8/2/2022		<0.0002	<0.0002			
8/9/2022	<0.0002					
8/10/2022						<0.0002
8/11/2022				<0.0002	<0.0002	
1/23/2023	<0.0002					
1/24/2023		<0.0002	<0.0002			
2/1/2023				<0.0002	<0.0002	<0.0002
8/8/2023	<0.0002	<0.0002	<0.0002			
8/13/2023				<0.0002	<0.0002	<0.0002
2/13/2024	<0.0002	<0.0002	<0.0002			
2/17/2024				<0.0002	<0.0002	
2/18/2024						<0.0002
8/6/2024	<0.0002	<0.0002	<0.0002			
8/8/2024					<0.0002	
8/9/2024						<0.0002
8/10/2024				<0.0002		
2/12/2025		<0.0002	<0.0002			
2/14/2025	<0.0002					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
2/17/2025					<0.0002	<0.0002
2/18/2025				<0.0002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
5/23/2016	<0.0002					
5/24/2016		<0.0002				
7/12/2016	<0.0002	<0.0002				
9/1/2016	<0.0002	6E-05 (J)				
10/25/2016	<0.0002	4E-05 (J)				
12/7/2016	<0.0002					
12/8/2016		<0.0002				
1/26/2017	<0.0002	8E-05 (J)				
3/22/2017	<0.0002					
3/23/2017		9E-05 (J)				
5/25/2017	<0.0002	8E-05 (J)				
4/3/2018	<0.0002	<0.0002				
3/14/2019		<0.0002			<0.0002	
3/15/2019	<0.0002		<0.0002	<0.0002		
9/25/2019		<0.0002				
3/2/2020				<0.0002	<0.0002	
3/3/2020	<0.0002	<0.0002	<0.0002			
2/11/2021	<0.0002	<0.0002	<0.0002			
2/12/2021					<0.0002	<0.0002
2/15/2021				<0.0002		
2/8/2022	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
2/10/2022					<0.0002	
8/10/2022	<0.0002	<0.0002				<0.0002
8/11/2022			<0.0002	0.00016 (J)	0.00017 (J)	
1/27/2023			<0.0002			<0.0002
1/30/2023	<0.0002			<0.0002		
2/1/2023		<0.0002			<0.0002	
8/12/2023			<0.0002			
8/13/2023	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002
2/17/2024	<0.0002					
2/18/2024		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/8/2024	<0.0002					
8/9/2024		<0.0002	<0.0002		<0.0002	<0.0002
8/10/2024				<0.0002		
2/16/2025	<0.0002					<0.0002
2/17/2025					<0.0002	
2/18/2025		<0.0002	<0.0002	<0.0002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-34D	MW-35	MW-37D	MW-51
2/11/2021			<0.0002	
2/15/2021		<0.0002		
2/8/2022		0.00014 (J)	<0.0002	<0.0002
2/9/2022	<0.0002			
8/10/2022	<0.0002		<0.0002	
8/11/2022		0.00014 (J)		0.00013 (J)
1/30/2023	<0.0002		<0.0002	
2/1/2023		0.00084		<0.0002
8/12/2023	<0.0002	<0.0002		<0.0002
8/13/2023			<0.0002	
2/18/2024	<0.0002		<0.0002	
2/19/2024		<0.0002		<0.0002
8/9/2024		<0.0002		<0.0002
8/10/2024	<0.0002		<0.0002	
2/17/2025			<0.0002	
2/18/2025	<0.0002			
3/6/2025		0.00035		<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)	HGWA-6 (bg)
5/19/2016	<0.01	<0.01	<0.01	<0.01	<0.01	
5/20/2016						<0.01
7/11/2016	<0.01	<0.01		<0.01	<0.01	0.0008 (J)
7/12/2016			<0.01			
8/30/2016	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
10/19/2016	<0.01	<0.01	<0.01	<0.01		
10/20/2016					<0.01	<0.01
12/6/2016	<0.01	<0.01	<0.01	<0.01		
12/8/2016					<0.01	<0.01
1/24/2017	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3/21/2017	<0.01	<0.01	<0.01	<0.01	<0.01	0.0002 (J)
5/22/2017	<0.01	<0.01	<0.01			
5/23/2017				<0.01	<0.01	<0.01
4/2/2018	<0.01	<0.01		<0.01		
4/3/2018			<0.01		<0.01	<0.01
6/4/2018	<0.01	<0.01	<0.01			
10/1/2018	<0.01	<0.01	<0.01			
3/11/2019				<0.01		
3/12/2019	<0.01	<0.01	<0.01		<0.01	<0.01
4/1/2019			<0.01			
4/2/2019	<0.01	<0.01		<0.01	<0.01	<0.01
9/23/2019	<0.01	<0.01	<0.01			
9/24/2019				<0.01	<0.01	<0.01
3/2/2020	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3/25/2020	<0.01	<0.01	<0.01			<0.01
3/26/2020				<0.01	<0.01	
6/16/2020	<0.01		<0.01			
8/25/2020		<0.01	<0.01			
8/28/2020	<0.01					
9/15/2020	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2/8/2021	<0.01			<0.01		
2/9/2021		<0.01	<0.01		<0.01	<0.01
3/10/2021	<0.01			<0.01		
3/11/2021		<0.01	<0.01		<0.01	<0.01
8/11/2021	<0.01					
8/12/2021		<0.01	<0.01	<0.01	<0.01	<0.01
2/1/2022	<0.01	<0.01	<0.01			
2/7/2022				<0.01	<0.01	<0.01
8/2/2022	<0.01	<0.01	<0.01	<0.01		
8/10/2022					<0.01	<0.01
1/23/2023			<0.01	<0.01		
1/24/2023	<0.01	<0.01				
1/27/2023					<0.01	<0.01
8/8/2023	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2/13/2024	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
8/5/2024	<0.01	<0.01	<0.01			
8/6/2024				<0.01	<0.01	0.14 (O)
2/12/2025	<0.01		<0.01	<0.01		
2/14/2025		<0.01			<0.01	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
5/23/2016				<0.01	<0.01	<0.01
7/12/2016				<0.01	0.0007 (J)	<0.01
9/1/2016				<0.01	<0.01	<0.01
10/24/2016				<0.01	<0.01	
10/25/2016						<0.01
12/7/2016				<0.01	<0.01	<0.01
1/26/2017				<0.01	<0.01	<0.01
3/22/2017						<0.01
3/23/2017				<0.01	<0.01	
5/24/2017				<0.01	<0.01	<0.01
4/3/2018					<0.01	<0.01
4/4/2018				<0.01		
3/14/2019				<0.01	<0.01	
3/15/2019						<0.01
4/4/2019					<0.01	<0.01
4/5/2019				<0.01		
9/24/2019				<0.01	<0.01	
9/25/2019						<0.01
3/3/2020				<0.01	<0.01	<0.01
3/26/2020					<0.01	
3/30/2020				<0.01		<0.01
9/16/2020		0.0044 (J)	0.0019 (J)			
9/17/2020	0.0037 (J)				<0.01	<0.01
9/18/2020				<0.01		
11/10/2020		0.0072 (J)	0.0018 (J)			
11/11/2020	<0.01					
12/15/2020	0.00082 (J)	0.0044 (J)	0.0019 (J)			
1/19/2021		0.0038 (J)	0.0035 (J)			
1/20/2021	<0.01					
2/8/2021	<0.01					
2/9/2021		0.0045 (J)	0.0038 (J)			
2/10/2021						<0.01
2/11/2021				<0.01		
2/12/2021					<0.01	
3/10/2021	<0.01		0.0019 (J)			
3/11/2021		0.0064 (J)				
3/16/2021					<0.01	
3/17/2021				<0.01		<0.01
8/11/2021		0.0034 (J)				
8/12/2021	<0.01					
8/13/2021			0.0051 (J)			
8/18/2021				<0.01		
8/19/2021					<0.01	<0.01
2/1/2022		0.0036 (J)	0.0055 (J)			
2/7/2022	0.00099 (J)					
2/8/2022					<0.01	<0.01
2/9/2022				<0.01		
8/2/2022		0.0042 (J)	0.002 (J)			
8/9/2022	<0.01					
8/10/2022						<0.01
8/11/2022				<0.01	<0.01	
1/23/2023	<0.01					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
1/24/2023		0.0027 (J)	0.0026 (J)			
2/1/2023				<0.01	<0.01	<0.01
8/8/2023	<0.01	0.0019 (J)	0.0013 (J)			
8/13/2023				<0.01	<0.01	<0.01
2/13/2024	0.0021 (J)	0.0015 (J)	0.0018 (J)			
2/17/2024				<0.01	<0.01	
2/18/2024						<0.01
8/6/2024	0.2 (O)	0.001 (J)	0.00079 (J)			
8/8/2024					<0.01	
8/9/2024						<0.01
8/10/2024				<0.01		
2/12/2025		<0.01	<0.01			
2/14/2025	<0.01					
2/17/2025					<0.01	<0.01
2/18/2025				<0.01		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
5/23/2016	<0.01					
5/24/2016		<0.01				
7/12/2016	<0.01	<0.01				
9/1/2016	<0.01	<0.01				
10/25/2016	<0.01	<0.01				
12/7/2016	<0.01					
12/8/2016		<0.01				
1/26/2017	<0.01	<0.01				
3/22/2017	<0.01					
3/23/2017		<0.01				
5/25/2017	<0.01	<0.01				
4/3/2018	<0.01	<0.01				
3/14/2019		<0.01			<0.01	
3/15/2019	<0.01		0.045	<0.01		
4/4/2019			0.033			
4/5/2019	<0.01	<0.01		0.00013 (J)	0.0014 (J)	
9/25/2019	<0.01	<0.01	0.038			
9/26/2019					0.0025 (J)	
9/27/2019				<0.01		
3/2/2020				<0.01	0.003 (J)	
3/3/2020	<0.01	<0.01	0.025			
3/27/2020				<0.01		
3/31/2020	<0.01	<0.01				
4/1/2020			0.024		0.0032 (J)	<0.01
6/17/2020			0.019			<0.01
9/15/2020		<0.01				
9/16/2020	<0.01					
9/17/2020				<0.01	0.0026 (J)	
9/21/2020			0.017			<0.01
2/11/2021	<0.01	<0.01	0.016			
2/12/2021					0.0039 (J)	<0.01
2/15/2021				<0.01		
3/17/2021				<0.01	0.0034 (J)	
3/18/2021	<0.01	<0.01	0.016			<0.01
8/18/2021	<0.01					<0.01
8/19/2021		<0.01	0.018	<0.01	0.0034 (J)	
2/8/2022	<0.01	<0.01	0.016	<0.01		<0.01
2/10/2022					0.0034 (J)	
8/10/2022	<0.01	<0.01				<0.01
8/11/2022			0.023	<0.01	0.0039 (J)	
1/27/2023			0.028			<0.01
1/30/2023	<0.01			<0.01		
2/1/2023		<0.01			0.0041 (J)	
8/12/2023			0.021			
8/13/2023	<0.01	<0.01		<0.01	0.0041 (J)	<0.01
2/17/2024	<0.01					
2/18/2024		<0.01	0.015	<0.01	0.0047 (J)	<0.01
8/8/2024	<0.01					
8/9/2024		<0.01	0.013		0.0044 (J)	<0.01
8/10/2024				<0.01		
2/16/2025	<0.01					<0.01
2/17/2025					0.0039 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
2/18/2025		<0.01	0.0098 (J)	<0.01		

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-34D	MW-35	MW-37D	MW-51
6/18/2020	<0.01	<0.01	0.023	
9/21/2020		<0.01		
9/23/2020	<0.01		0.015	
2/11/2021			0.019	
2/15/2021		<0.01		
3/12/2021			0.014	
3/19/2021		<0.01		
8/16/2021	<0.01			
8/18/2021		<0.01	0.0083 (J)	<0.01
2/8/2022		<0.01	0.007 (J)	<0.01
2/9/2022	<0.01			
8/10/2022	<0.01		0.0076 (J)	
8/11/2022		<0.01		<0.01
1/30/2023	<0.01		0.0063 (J)	
2/1/2023		<0.01		<0.01
8/12/2023	<0.01	<0.01		<0.01
8/13/2023			0.0029 (J)	
2/18/2024	<0.01		0.0016 (J)	
2/19/2024		<0.01		<0.01
8/9/2024		<0.01		<0.01
8/10/2024	<0.01		0.0011 (J)	
2/17/2025			<0.01	
2/18/2025	<0.01			
3/6/2025		<0.01		<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: pH, Field (SU) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)	HGWA-6 (bg)
5/19/2016	7.27	5.81	7.45	6.51	6.62	
5/20/2016						7.58
7/11/2016	7.06	5.68		6.65	6.54	7.32
7/12/2016			7.32			
8/30/2016	7.28	5.63	7.43	7.14	6.38	7.69
10/19/2016	7.02	5.46	7.03	7.08		
10/20/2016					6.52	7.43
12/6/2016	7.09	5.38	7.08	7		
12/8/2016					6.5	7.56
1/24/2017	7.2	5.37	7.39	6.16	6.59	7.52
3/21/2017	7.01	4.9	6.83	6.07	6.55	7.4
5/22/2017	7.11	5.2	7.02			
5/23/2017				6.28	6.5	7.53
10/3/2017	7.21	5.3	7.47	6.45	6.63	7.51
4/2/2018	7.1	5.4		6.23		
4/3/2018			7.38		6.59	7.53
6/4/2018	7.06	5.27	7.38	6.82		
6/5/2018					6.44	7.37
10/1/2018	7.09	5.31	7.13	5.73		
10/2/2018					6.35	7.36
3/11/2019				6.27		
3/12/2019	7.03	5.42	7.29		6.42	7.5
4/1/2019			7.16			
4/2/2019	6.86	5.41		6.66	6.38	7.46
9/23/2019	7.02	5.33	7.3			
9/24/2019				6.16	6.4	7.41
9/30/2019	7	5.35	7.37			
3/2/2020	7.1	5.43	7.12	5.63	6.8	7.67
3/25/2020	6.95	5.36	7.4			7.39
3/26/2020				5.77	6.38	
6/16/2020	6.97		7.31			
8/25/2020		5.15	7.14			
8/28/2020	7.02					
9/15/2020	7.15	5.22	7.29	5.75	6.33	7.37
2/8/2021	7.11			4.94		
2/9/2021		5.42	7.23		6.35	7.4
3/10/2021	6.95			5.28		
3/11/2021		5.8	7.33		6.48	7.56
8/11/2021	6.98					
8/12/2021		5.05	7.31	5.26	6.462679	7.47
2/1/2022	7.19	5.24	7.45			
2/7/2022				5.24	6.51	7.65
8/2/2022	7.03	4.57	7.02	4.86		
8/10/2022					6.22	7.53
1/23/2023			7.32	5.62		
1/24/2023	6.76	5.22				
1/27/2023					6.52	7.66
8/8/2023	7.05	5.01	7.42	6.03	6.5	7.6
2/13/2024	7.06	5.49	7.35	5.98	6.66	7.59
8/5/2024	7.29	4.91	7.27			
8/6/2024				6.14	6.4	7.56
2/12/2025	7.08		7.37	5.69		

Time Series

Constituent: pH, Field (SU) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)	HGWA-6 (bg)
2/14/2025		5.75	7.45	5.94	6.52	7.6

Time Series

Constituent: pH, Field (SU) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
5/23/2016				4.56	6.17	7.15
7/12/2016				4.49	6.17	7.1
9/1/2016				4.54	6.22	7.29
10/24/2016				4.63	5.97	
10/25/2016						7.03
12/7/2016				4.6	5.87	6.85
1/26/2017				4.8	6.05	7.07
3/22/2017						7.15
3/23/2017				4.57	5.79	
5/24/2017				4.61	6.01	7.11
10/4/2017				4.74	5.82	7.17
4/3/2018					5.98	7.07
4/4/2018				4.5		
6/6/2018				4.49	6.12	7
10/3/2018				4.67	5.92	6.94
3/14/2019				4.66	5.71	
3/15/2019						7.09
4/4/2019					5.66	6.95
4/5/2019				4.67		
9/24/2019				4.77	6.33	
9/25/2019						6.92
3/3/2020				4.77	6	7.1
3/26/2020					6.03	
3/30/2020				4.57		7.09
9/16/2020		7.52	7.83			
9/17/2020	7.62				6.11	7.11
9/18/2020				4.88		
11/10/2020		7.27	7.84			
11/11/2020	7.68					
12/15/2020	7.64	7.39	7.87			
1/19/2021		7.39	7.86			
1/20/2021	7.68					
2/8/2021	7.64					
2/9/2021		7.44	7.84			
2/10/2021						7.08
2/11/2021				4.84		
2/12/2021					5.99	
3/10/2021	7.7		7.92			
3/11/2021		7.46				
3/16/2021					6.08	
3/17/2021				4.72		7.19
8/11/2021		7.4				
8/12/2021	7.7					
8/13/2021			7.77			
8/18/2021				4.9		
8/19/2021					6.18	7.04
2/1/2022		7.52	8.25			
2/7/2022	7.85					
2/8/2022					6.04	7.18
2/9/2022				4.97		
8/2/2022		7.15	7.9			
8/9/2022	7.58					

Time Series

Constituent: pH, Field (SU) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
8/10/2022						7.09
8/11/2022				4.93	6.29	
1/23/2023	7.55					
1/24/2023		7.56	8.22			
2/1/2023				4.93	6.22	7.15
8/8/2023	7.72	7.39	8.2			
8/13/2023				4.83	6.66	7.13
2/13/2024	7.68	7.47	8.1			
2/17/2024				5.05	6.56	
2/18/2024						7.12
8/6/2024	7.64	7.46	8.36			
8/8/2024					6.6	
8/9/2024						7.32
8/10/2024				4.88		
2/12/2025		7.5	8.49			
2/14/2025	7.79					
2/17/2025					6.53	7.36
2/18/2025				4.81		

Time Series

Constituent: pH, Field (SU) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
5/23/2016	6.4					
5/24/2016		4.83				
7/12/2016	6.09	4.58				
9/1/2016	6.35	4.51				
10/25/2016	6.23	4.53				
12/7/2016	6.23					
12/8/2016		4.56				
1/26/2017	6.24	4.61				
3/22/2017	6.25					
3/23/2017		4.63				
5/25/2017	6.27	4.69				
10/4/2017	6.18	4.58				
4/3/2018	6.22	4.54				
6/5/2018		4.57				
6/6/2018	6.22					
10/3/2018	6.23	4.41				
3/14/2019		4.39			6.68	
3/15/2019	6.32		6.81	5.95		
4/4/2019			6.7			
4/5/2019	6.26	4.5		5.96	6.66	
9/25/2019	6.28	4.54	6.54			
9/26/2019					6.64	
9/27/2019				5.81		
1/22/2020						4.51
3/2/2020				5.97	7.05	
3/3/2020	6.35	4.55	6.72			
3/27/2020				5.71		
3/31/2020	6.28	4.43				
4/1/2020			6.9		6.8	4.35
6/17/2020			6.47			4.36
9/15/2020		4.47				
9/16/2020	6.35					
9/17/2020				5.66	6.71	
9/21/2020			6.92			4.48
2/10/2021		4.55				
2/11/2021	6.31	4.53	6.87			
2/12/2021					6.8	4.4
2/15/2021				5.48		
3/17/2021				5.57	6.86	
3/18/2021	6.43	4.54	6.95			4.27
8/18/2021	6.43					4.42
8/19/2021		4.43	6.85	6.05	6.72	
2/8/2022	6.42	4.59	7.09	5.37		4.42
2/10/2022					6.87	
8/10/2022	6.29	4.41				4.36
8/11/2022			6.96	5.3	6.57	
1/27/2023			7.31			5.61
1/30/2023	6.44			5.47		
2/1/2023		4.66			6.69	
8/12/2023			7.17			
8/13/2023	6.46	4.75		5.54	6.82	4.54
2/17/2024	6.54					

Time Series

Constituent: pH, Field (SU) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
2/18/2024		4.73	7.19	5.57	6.92	4.74
8/8/2024	6.9					
8/9/2024		4.95	7.42		6.88	4.87
8/10/2024				5.59		
2/16/2025	6.47					4.88
2/17/2025					6.97	
2/18/2025		5	7.61	5.58		

Time Series

Constituent: pH, Field (SU) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-34D	MW-35	MW-37D	MW-51
6/18/2020	7.35	5.46		
9/21/2020		5.4		
9/23/2020	7.05		7.62	
2/11/2021			7.42	
2/15/2021		4.82		
3/12/2021			7.5	
3/19/2021		4.89		
8/16/2021	7.05			
8/18/2021		4.89	7.52	6.19
2/8/2022		4.86	7.63	6.57
2/9/2022	7.21			
8/10/2022	7		7.47	
8/11/2022		4.86		6.37
1/30/2023	6.99		7.56	
2/1/2023		4.89		6.37
8/12/2023	7.06	5.05		6.6
8/13/2023			7.61	
2/18/2024	7.02		7.65	
2/19/2024		5.51		6.08
8/9/2024		5.05		6.49
8/10/2024	7.11		7.71	
2/17/2025			7.94	
2/18/2025	7.2			
3/6/2025		5.57		5.9

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)	HGWA-6 (bg)
5/19/2016	<0.005	<0.005	<0.005	<0.005	<0.005	
5/20/2016						<0.005
7/11/2016	<0.005	<0.005		<0.005	<0.005	<0.005
7/12/2016			<0.005			
8/30/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
10/19/2016	<0.005	<0.005	<0.005	<0.005		
10/20/2016					<0.005	<0.005
12/6/2016	<0.005	<0.005	<0.005	<0.005		
12/8/2016					<0.005	<0.005
1/24/2017	<0.005	<0.005	<0.005	<0.005	0.0011 (J)	<0.005
3/21/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
5/22/2017	<0.005	<0.005	<0.005			
5/23/2017				<0.005	<0.005	<0.005
4/2/2018	<0.005	<0.005		<0.005		
4/3/2018			<0.005		<0.005	<0.005
6/4/2018	<0.005	<0.005	<0.005	<0.005		
6/5/2018					<0.005	<0.005
10/1/2018	<0.005	<0.005	<0.005	<0.005		
10/2/2018					<0.005	<0.005
3/11/2019				<0.005		
3/12/2019	<0.005	<0.005	<0.005		<0.005	<0.005
4/1/2019			<0.005			
4/2/2019	<0.005	<0.005		<0.005	<0.005	<0.005
9/23/2019	<0.005	<0.005	<0.005			
9/24/2019				<0.005	<0.005	<0.005
3/2/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/25/2020	<0.005	<0.005	<0.005			<0.005
3/26/2020				<0.005	<0.005	
8/25/2020		<0.005	<0.005			
8/28/2020	<0.005					
9/15/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/8/2021	<0.005			<0.005		
2/9/2021		<0.005	<0.005		<0.005	<0.005
3/10/2021	0.0047 (J)			<0.005		
3/11/2021		<0.005	<0.005		<0.005	<0.005
8/11/2021	<0.005					
8/12/2021		<0.005	<0.005	<0.005	<0.005	<0.005
2/1/2022	<0.005	<0.005	<0.005			
2/7/2022				<0.005	<0.005	<0.005
8/2/2022	<0.005	0.0014 (J)	<0.005	<0.005		
8/10/2022					<0.005	<0.005
1/23/2023			<0.005	<0.005		
1/24/2023	<0.005	<0.005				
1/27/2023					<0.005	<0.005
8/8/2023	<0.005	0.0019 (J)	<0.005	<0.005	<0.005	<0.005
2/13/2024	<0.005	0.002 (J)	<0.005	<0.005	<0.005	<0.005
8/5/2024	<0.005	0.0013 (J)	<0.005			
8/6/2024				<0.005	<0.005	<0.005
2/12/2025	<0.005		<0.005	<0.005		
2/14/2025		0.0043 (J)			<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
5/23/2016				0.017	<0.005	<0.005
7/12/2016				0.0146	<0.005	<0.005
9/1/2016				0.0137	<0.005	<0.005
10/24/2016				0.0135	0.0012 (J)	
10/25/2016						<0.005
12/7/2016				0.01 (J)	0.0041 (J)	<0.005
1/26/2017				0.0214	<0.005	<0.005
3/22/2017						<0.005
3/23/2017				0.0167	0.0016 (J)	
5/24/2017				0.0083 (J)	<0.005	<0.005
4/3/2018					<0.005	<0.005
4/4/2018				0.012		
6/6/2018				0.014	<0.005	<0.005
10/3/2018				0.0056 (J)	<0.005	<0.005
3/14/2019				0.0048 (J)	<0.005	
3/15/2019						<0.005
4/4/2019					0.00021 (J)	8.9E-05 (J)
4/5/2019				0.00091 (J)		
9/24/2019				0.0064 (J)	<0.005	
9/25/2019						<0.005
3/3/2020				0.0045 (J)	<0.005	<0.005
3/26/2020					<0.005	
3/30/2020				0.0049 (J)		<0.005
9/16/2020		<0.005	<0.005			
9/17/2020	<0.005				<0.005	<0.005
9/18/2020				0.0045 (J)		
11/10/2020		<0.005	<0.005			
11/11/2020	<0.005					
12/15/2020	<0.005	<0.005	<0.005			
1/19/2021		<0.005	<0.005			
1/20/2021	<0.005					
2/8/2021	<0.005					
2/9/2021		<0.005	<0.005			
2/10/2021						<0.005
2/11/2021				0.0072 (J)		
2/12/2021					<0.005	
3/10/2021	<0.005		<0.005			
3/11/2021		<0.005				
3/16/2021					<0.005	
3/17/2021				0.01 (J)		<0.005
8/11/2021		<0.005				
8/12/2021	<0.005					
8/13/2021			<0.005			
8/18/2021				0.0077		
8/19/2021					<0.005	<0.005
2/1/2022		<0.005	<0.005			
2/7/2022	<0.005					
2/8/2022					<0.005	<0.005
2/9/2022				0.0047 (J)		
8/2/2022		<0.005	<0.005			
8/9/2022	<0.005					
8/10/2022						<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
8/11/2022				0.0037 (J)	<0.005	
1/23/2023	<0.005					
1/24/2023		<0.005	<0.005			
2/1/2023				0.0036 (J)	<0.005	<0.005
8/8/2023	<0.005	<0.005	<0.005			
8/13/2023				0.0038 (J)	<0.005	<0.005
2/13/2024	<0.005	<0.005	<0.005			
2/17/2024				0.0056	<0.005	
2/18/2024						<0.005
8/6/2024	<0.005	<0.005	<0.005			
8/8/2024					<0.005	
8/9/2024						<0.005
8/10/2024				0.003 (J)		
2/12/2025		<0.005	<0.005			
2/14/2025	<0.005					
2/17/2025					<0.005	0.0015 (J)
2/18/2025				0.0096		

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
5/23/2016	<0.005					
5/24/2016		<0.2				
7/12/2016	<0.005	0.036				
9/1/2016	0.0014 (J)	0.0347				
10/25/2016	<0.005	0.0282				
12/7/2016	0.0023 (J)					
12/8/2016		0.0373				
1/26/2017	<0.005	0.0385				
3/22/2017	<0.005					
3/23/2017		0.0414				
5/25/2017	<0.005	0.019				
4/3/2018	<0.005	0.029				
6/5/2018		0.038				
6/6/2018	<0.005					
10/3/2018	<0.005	0.017				
3/14/2019		0.016			<0.005	
3/15/2019	<0.005		<0.005	<0.005		
4/4/2019			<0.005			
4/5/2019	9.3E-05 (J)	0.0018 (J)		<0.005	<0.005	
9/25/2019	<0.005	0.02	<0.005			
9/26/2019					<0.005	
9/27/2019				<0.005		
3/2/2020				<0.005	<0.005	
3/3/2020	<0.005	0.014	<0.005			
3/27/2020				<0.005		
3/31/2020	<0.005	0.019				
4/1/2020			<0.005		<0.005	0.011
6/17/2020			<0.005			0.014
9/15/2020		0.059				
9/16/2020	<0.005					
9/17/2020				0.002 (J)	<0.005	
9/21/2020			<0.005			0.041
2/11/2021	<0.005	0.023	<0.005			
2/12/2021					<0.005	0.011
2/15/2021				<0.005		
3/17/2021				<0.005	<0.005	
3/18/2021	<0.005	0.019 (J)	<0.005			0.028
8/18/2021	<0.005					0.014
8/19/2021		0.01	<0.005	<0.005	<0.005	
2/8/2022	<0.005	0.0082	<0.005	<0.005		0.0078
2/10/2022					<0.005	
8/10/2022	<0.005	0.0096				0.007 (J)
8/11/2022			<0.005	<0.005	<0.005	
1/27/2023			<0.005			0.015
1/30/2023	<0.005			<0.005		
2/1/2023		0.0054			<0.005	
8/12/2023			<0.005			
8/13/2023	<0.005	0.0085		<0.005	<0.005	0.0065
2/17/2024	<0.005					
2/18/2024		0.013	<0.005	<0.005	<0.005	0.011
8/8/2024	<0.005					
8/9/2024		0.0022 (J)	<0.005		<0.005	0.0056

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
8/10/2024				<0.005		
2/16/2025	0.002 (J)					0.01
2/17/2025					0.0014 (J)	
2/18/2025		0.0054	<0.005	0.0015 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-34D	MW-35	MW-37D	MW-51
6/18/2020	0.0025 (J)	0.014	<0.005	
9/21/2020		0.037		
9/23/2020	<0.005		<0.005	
2/11/2021			<0.005	
2/15/2021		0.01		
3/12/2021			<0.005	
3/19/2021		0.016 (J)		
8/16/2021	<0.005			
8/18/2021		0.014	<0.005	0.004 (J)
2/8/2022		0.0083	<0.005	<0.005
2/9/2022	<0.005			
8/10/2022	<0.005		<0.005	
8/11/2022		0.0089 (J)		0.0023 (J)
1/30/2023	0.0016 (J)		<0.005	
2/1/2023		0.0063		0.0021 (J)
8/12/2023	<0.005	0.0058		<0.005
8/13/2023			<0.005	
2/18/2024	<0.005		<0.005	
2/19/2024		0.0057		0.0019 (J)
8/9/2024		0.0053		0.0014 (J)
8/10/2024	0.001 (J)		<0.005	
2/17/2025			<0.005	
2/18/2025	0.0049 (J)			
3/6/2025		0.0064		0.0068

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)	HGWA-6 (bg)
5/19/2016	66.9	48.6	42.3	1.22	25	
5/20/2016						34.4
7/11/2016	41	45		3.7	27	34
7/12/2016			44			
8/30/2016	36	42	40	6.8	23	36
10/19/2016	46	44	43	11		
10/20/2016					19	36
12/6/2016	59	44	43	13		
12/8/2016					20	36
1/24/2017	46	46	48	5.7	20	37
3/21/2017	63	46	45	1.7	23	37
5/22/2017	77	48	46			
5/23/2017				1.5	21	38
10/3/2017	42	47	48	1.3	21	38
6/4/2018	71.8	47.8	46.6	4.9		
6/5/2018					22.9	38
10/1/2018	49.1	48.1	48.6	0.59 (J)		
10/2/2018					20.3	38.5
4/1/2019			50.4			
4/2/2019	84.3	48.7		4.9	23.8	35.5
9/23/2019	70.2	47.2	43.9			
9/24/2019				<1	20.7	35.4
3/25/2020	85.9	46.3	50.5			35.1
3/26/2020				<1	21.6	
6/16/2020	88.2		49.5			
9/15/2020	47.3	51.5	44.7	<1	21.2	35.3
3/10/2021	49.6			1.2		
3/11/2021		52.9	50.4		22.7	35.5
8/11/2021	48.9					
8/12/2021		47.4	38.6	1.1	17.4	28.6
2/1/2022	43.7	67.1	46			
2/7/2022				2.9	20.6	33
8/2/2022	58.1	86.9	43.5	4.9		
8/10/2022					19.7	34
1/23/2023			39.5	42.5		
1/24/2023	48.3	79.7				
1/27/2023					22.7	35
8/8/2023	67.7	89.9	35	16.8	32.7	18.8
2/13/2024	50.4	93.9	35.5	64.6	21.8	35.3
8/5/2024	49.4	87.2	31.1			
8/6/2024				28.1	17.4	33.5
2/12/2025	43.8		28	35.2		
2/14/2025		94.5			18.2	30.8

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
5/23/2016				1070	424	203
7/12/2016				1300	440	220
9/1/2016				1300	440	220
10/24/2016				280	420	
10/25/2016						230
12/7/2016				1300	450	220
1/26/2017				1400	490	250
3/22/2017						240
3/23/2017				1500	530	
5/24/2017				1400	500	230
10/4/2017				1400	560	220
6/6/2018				1520	469	233
10/3/2018				1550	600	215
4/4/2019					528	251
4/5/2019				1520		
9/24/2019				1110	382	
9/25/2019						223
3/26/2020					438	
3/30/2020				1150		223
9/16/2020		43	24.95 (D)			
9/17/2020	10.9				416	254
9/18/2020				1260		
11/10/2020		39	6.3			
11/11/2020	9.4					
12/15/2020	10.9	38.8	6.7			
1/19/2021		37.3	7.4			
1/20/2021	9.8					
3/10/2021	10.8		<1			
3/11/2021		38.6				
3/16/2021					379	
3/17/2021				1300		250
8/11/2021		30.5				
8/12/2021	7.8					
8/13/2021			56.1			
8/18/2021				768		
8/19/2021					223	228
2/1/2022		37.5	56.3			
2/7/2022	10.4					
2/8/2022					360	238
2/9/2022				1190		
8/2/2022		37	13.2			
8/9/2022	11.2					
8/10/2022						206
8/11/2022				1200	365	
1/23/2023	11.1					
1/24/2023		34.7	10.1			
2/1/2023				1060	341	257
8/8/2023	10.5	25.6	1.3			
8/13/2023				935	281	214
2/13/2024	17.1	28.9	2			
2/17/2024				898	305	
2/18/2024						220

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
8/6/2024	11.5	25.5	0.86 (J)			
8/8/2024					286	
8/9/2024						190
8/10/2024				854		
2/12/2025		25.2	0.51 (J)			
2/14/2025	11.6					
2/17/2025					277	200
2/18/2025				790		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
5/23/2016	395					
5/24/2016		834				
7/12/2016	460	930				
9/1/2016	430	890				
10/25/2016	440	950				
12/7/2016	410					
12/8/2016		910				
1/26/2017	440	970				
3/22/2017	460					
3/23/2017		980				
5/25/2017	430	920				
10/4/2017	490	870				
6/5/2018		962				
6/6/2018	520					
10/3/2018	651	1170				
4/4/2019			915			
4/5/2019	642	1030		392	585	
9/25/2019	434	920	767			
9/26/2019					556	
9/27/2019				520		
1/22/2020						1250
3/27/2020				419		
3/31/2020	484	934				
4/1/2020			889		478	1210
6/17/2020			901			1210
9/15/2020		1080				
9/16/2020	467					
9/17/2020				468	490	
9/21/2020			1010			1290
2/10/2021		1040				
3/17/2021				461	486	
3/18/2021	447	1050	829			1360
8/18/2021	280					740
8/19/2021		934	724	412	432	
2/8/2022	364	960	779	449		1220
2/10/2022					430	
8/10/2022	423	946				1010
8/11/2022			910	472	389	
1/27/2023			646			895
1/30/2023	451			445		
2/1/2023		776			438	
8/12/2023			276			
8/13/2023	351	895		410	379	970
2/17/2024	260					
2/18/2024		755	150	427	401	820
8/8/2024	238					
8/9/2024		413	103		353	848
8/10/2024				389		
2/16/2025	224					578
2/17/2025					321	
2/18/2025		289	121	370		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-34D	MW-35	MW-37D	MW-51
6/18/2020	1100	1160	286	
9/21/2020		1220		
9/23/2020	1080		256	
3/12/2021			237	
3/19/2021		1220		
8/16/2021	987			
8/18/2021		789	207	757
2/8/2022		1190	248	1150
2/9/2022	1050			
8/10/2022	1040		122	
8/11/2022		1020		979
1/30/2023	1120		85.2	
2/1/2023		1190		1110
8/12/2023	948	1090		1040
8/13/2023			39.2	
2/18/2024	918		30.4	
2/19/2024		1060		1010
8/9/2024		1030		934
8/10/2024	825		21.6	
2/17/2025			19.1	
2/18/2025	620			
3/6/2025		942		832

Time Series

Constituent: TDS (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)	HGWA-6 (bg)
5/19/2016	421	143	267	165	168	
5/20/2016						223
7/11/2016	363	125		266	158	225
7/12/2016			249			
8/30/2016	330	168	254	292	141	232
10/19/2016	380	176	357	338		
10/20/2016					99	225
12/6/2016	377	145	285	356		
12/8/2016					116	235
1/24/2017	342	129	300	131	156	272
3/21/2017	340	103	288	132	144	222
5/22/2017	338	92	263			
5/23/2017				183	134	231
10/3/2017	343	127	300	161	147	243
6/4/2018	415	140	266	240		
6/5/2018					152	235
10/1/2018	354	135	291	106		
10/2/2018					146	228
4/1/2019			284			
4/2/2019	452	133		230	144	238
9/23/2019	442	129	268			
9/24/2019				131	133	222
3/25/2020	496	138	284			240
3/26/2020				69	104	
6/16/2020	632		448			
9/15/2020	265	124	258	93	116	217
3/10/2021	348			53		
3/11/2021		169	267		118	215
8/11/2021	366					
8/12/2021		118	265	55	158	229
2/1/2022	270	156	350			
2/7/2022				54	135	224
8/2/2022	400	196	287	48		
8/10/2022					134	217
1/23/2023			293	128		
1/24/2023	369	164				
1/27/2023					182	229
8/8/2023	457	189	285	141	225	125
2/13/2024	402	214	284	176	155	240
8/5/2024	444	217	304			
8/6/2024				159	141	247
2/12/2025	374		267	128		
2/14/2025		242			126	225

Time Series

Constituent: TDS (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
5/23/2016				4130	1270	570
7/12/2016				3140	1100	585
9/1/2016				3200	1180	625
10/24/2016				2920	1090	
10/25/2016						563
12/7/2016				2740	1040	561
1/26/2017				3080	1260	608
3/22/2017						599
3/23/2017				3060	1360	
5/24/2017				3140	1320	598
10/4/2017				3210	1340	626
6/6/2018				2620	1120	678
10/3/2018				2430	1140	700
4/4/2019					926	704
4/5/2019				2310		
9/24/2019				2470	1105 (D)	
9/25/2019						813
3/26/2020					1000	
3/30/2020				2590		787
9/16/2020		272	270			
9/17/2020	188				956	804
9/18/2020				2440		
11/10/2020		307	287			
11/11/2020	175					
12/15/2020	193	289	295			
1/19/2021		270	278			
1/20/2021	158					
3/10/2021	163		289			
3/11/2021		279				
3/16/2021					92	
3/17/2021				1640		768
8/11/2021		277				
8/12/2021	179					
8/13/2021			436			
8/18/2021				2350		
8/19/2021					958	816
2/1/2022		156	444			
2/7/2022	190					
2/8/2022					866	852
2/9/2022				2310		
8/2/2022		278	311			
8/9/2022	182					
8/10/2022						894
8/11/2022				1060	940	
1/23/2023	168					
1/24/2023		271	363			
2/1/2023				1950	892	1030
8/8/2023	175	274	361			
8/13/2023				1960	881	861
2/13/2024	212	291	379			
2/17/2024				1720	830	
2/18/2024						755

Time Series

Constituent: TDS (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
8/6/2024	191	283	380			
8/8/2024					890	
8/9/2024						766
8/10/2024				1780		
2/12/2025		273	363			
2/14/2025	192					
2/17/2025					764	768
2/18/2025				1600		

Time Series

Constituent: TDS (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
5/23/2016	1010					
5/24/2016		1900				
7/12/2016	976	1950				
9/1/2016	1060	2000				
10/25/2016	<25	1870				
12/7/2016	866					
12/8/2016		1930				
1/26/2017	1000	1950				
3/22/2017	1080					
3/23/2017		2080				
5/25/2017	1080	1970				
10/4/2017	1210	2200				
6/5/2018		1880				
6/6/2018	1180					
10/3/2018	1250	2180				
4/4/2019			1800			
4/5/2019	1260	1610		890	1400	
9/25/2019	1280	1955 (D)	1970			
9/26/2019					1400	
9/27/2019				1110		
1/22/2020						2310
3/27/2020				1100		
3/31/2020	1310	1860				
4/1/2020			1940		1530	2590
6/17/2020			2100			2540
9/15/2020		1890				
9/16/2020	1220					
9/17/2020				1090	1360	
9/21/2020			2060			2340
3/17/2021				998	990	
3/18/2021	1020	1390	1390			1790
8/18/2021	1290					3690
8/19/2021		1750	1920	1030	1440	
2/8/2022	1160	1770	1810	1070		2480
2/10/2022					1260	
8/10/2022	1390	1890				2050
8/11/2022			356	960	2700	
1/27/2023			1420			1570
1/30/2023	1320			961		
2/1/2023		1430			1320	
8/12/2023			2200			
8/13/2023	1180	1700		1000	1280	1910
2/17/2024	815					
2/18/2024		1360	477	994	1260	2160
8/8/2024	768					
8/9/2024		864	397		1240	1670
8/10/2024				1030		
2/16/2025	670					1060
2/17/2025					1070	
2/18/2025		598	419	830		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: TDS (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-34D	MW-35	MW-37D	MW-51
6/18/2020	2320	2310	888	
9/21/2020		2210		
9/23/2020	2430		894	
3/12/2021			890	
3/19/2021		1690		
8/16/2021	2340			
8/18/2021		2390	950	2610
2/8/2022		2410	882	2430
2/9/2022	2260			
8/10/2022	2310		2770	
8/11/2022		1070		2080
1/30/2023	2230		226	
2/1/2023		2410		2090
8/12/2023	837	2290		2220
8/13/2023			258	
2/18/2024	2010		269	
2/19/2024		2120		2040
8/9/2024		2220		2130
8/10/2024	1980		221	
2/17/2025			217	
2/18/2025	1630			
3/6/2025		2060		1750

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)	HGWA-6 (bg)
5/19/2016	<0.001	<0.001	<0.001	<0.001	<0.001	
5/20/2016						<0.001
7/11/2016	<0.001	<0.001		<0.001	<0.001	<0.001
7/12/2016			<0.001			
8/30/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
10/19/2016	<0.001	<0.001	<0.001	<0.001		
10/20/2016					<0.001	<0.001
12/6/2016	<0.001	<0.001	<0.001	<0.001		
12/8/2016					<0.001	<0.001
1/24/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/21/2017	<0.001	3E-05 (J)	<0.001	<0.001	<0.001	<0.001
5/22/2017	<0.001	<0.001	<0.001			
5/23/2017				<0.001	<0.001	<0.001
4/2/2018	<0.001	<0.001		<0.001		
4/3/2018			<0.001		<0.001	<0.001
6/4/2018	<0.001	<0.001	<0.001	<0.001		
6/5/2018					<0.001	<0.001
10/1/2018	<0.001	<0.001	<0.001	<0.001		
10/2/2018					<0.001	<0.001
3/11/2019				<0.001		
3/12/2019	<0.001	<0.001	<0.001		<0.001	<0.001
4/1/2019			<0.001			
4/2/2019	<0.001	<0.001		<0.001	<0.001	<0.001
9/23/2019	<0.001	<0.001	<0.001			
9/24/2019				<0.001	<0.001	<0.001
3/2/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/25/2020	<0.001	<0.001	<0.001			5.7E-05 (J)
3/26/2020				<0.001	<0.001	
8/25/2020		<0.001	<0.001			
8/28/2020	<0.001					
9/15/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/8/2021	<0.001			<0.001		
2/9/2021		<0.001	<0.001		<0.001	<0.001
3/10/2021	<0.001			<0.001		
3/11/2021		<0.001	<0.001		<0.001	<0.001
8/11/2021	<0.001					
8/12/2021		<0.001	<0.001	<0.001	<0.001	<0.001
2/1/2022	<0.001	<0.001	<0.001			
2/7/2022				<0.001	<0.001	<0.001
8/2/2022	<0.001	<0.001	<0.001	<0.001		
8/10/2022					<0.001	<0.001
1/23/2023			<0.001	<0.001		
1/24/2023	<0.001	<0.001				
1/27/2023					<0.001	<0.001
8/8/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/13/2024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/5/2024	<0.001	<0.001	<0.001			
8/6/2024				<0.001	<0.001	<0.001
2/12/2025	<0.001		<0.001	<0.001		
2/14/2025		<0.001			<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
5/23/2016				0.000306 (J)	<0.001	<0.001
7/12/2016				0.0003 (J)	<0.001	<0.001
9/1/2016				0.0003 (J)	<0.001	<0.001
10/24/2016				0.0004 (J)	<0.001	
10/25/2016						<0.001
12/7/2016				0.0003 (J)	<0.001	<0.001
1/26/2017				0.0003 (J)	<0.001	<0.001
3/22/2017						<0.001
3/23/2017				0.0003 (J)	<0.001	
5/24/2017				0.0003 (J)	<0.001	<0.001
4/3/2018					<0.001	<0.001
4/4/2018				0.00028 (J)		
6/6/2018				0.00029 (J)	<0.001	<0.001
10/3/2018				0.00029 (J)	<0.001	<0.001
3/14/2019				0.00028 (J)	<0.001	
3/15/2019						<0.001
4/4/2019					<0.001	<0.001
4/5/2019				0.00028 (J)		
9/24/2019				0.0003 (J)	<0.001	
9/25/2019						<0.001
3/3/2020				0.00026 (J)	<0.001	<0.001
3/26/2020					<0.001	
3/30/2020				0.00028 (J)		<0.001
9/16/2020		<0.001	<0.001			
9/17/2020	<0.001				<0.001	<0.001
9/18/2020				0.00028 (J)		
11/10/2020		<0.001	<0.001			
11/11/2020	<0.001					
12/15/2020	<0.001	<0.001	<0.001			
1/19/2021		<0.001	<0.001			
1/20/2021	<0.001					
2/8/2021	<0.001					
2/9/2021		<0.001	<0.001			
2/10/2021						<0.001
2/11/2021				0.00026 (J)		
2/12/2021					<0.001	
3/10/2021	<0.001		<0.001			
3/11/2021		<0.001				
3/16/2021					<0.001	
3/17/2021				0.00034 (J)		<0.001
8/11/2021		<0.001				
8/12/2021	<0.001					
8/13/2021			<0.001			
8/18/2021				0.00027 (J)		
8/19/2021					<0.001	<0.001
2/1/2022		<0.001	<0.001			
2/7/2022	<0.001					
2/8/2022					<0.001	<0.001
2/9/2022				0.00025 (J)		
8/2/2022		<0.001	<0.001			
8/9/2022	<0.001					
8/10/2022						<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14	HGWC-15	HGWC-16
8/11/2022				0.00024 (J)	<0.001	
1/23/2023	<0.001					
1/24/2023		<0.001	<0.001			
2/1/2023				0.00047 (J)	0.00022 (J)	<0.001
8/8/2023	<0.001	<0.001	<0.001			
8/13/2023				0.00026 (J)	<0.001	<0.001
2/13/2024	<0.001	<0.001	<0.001			
2/17/2024				<0.001	<0.001	
2/18/2024						<0.001
8/6/2024	<0.001	<0.001	<0.001			
8/8/2024					<0.001	
8/9/2024						<0.001
8/10/2024				<0.001		
2/12/2025		<0.001	<0.001			
2/14/2025	<0.001					
2/17/2025					<0.001	<0.001
2/18/2025				0.00029 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
5/23/2016	<0.001					
5/24/2016		<0.001				
7/12/2016	0.0001 (J)	0.0002 (J)				
9/1/2016	<0.001	<0.001				
10/25/2016	<0.001	<0.001				
12/7/2016	<0.001					
12/8/2016		<0.001				
1/26/2017	<0.001	<0.001				
3/22/2017	0.0001 (J)					
3/23/2017		0.0002 (J)				
5/25/2017	0.0001 (J)	0.0002 (J)				
4/3/2018	<0.001	0.00014 (J)				
6/5/2018		0.00016 (J)				
6/6/2018	<0.001					
10/3/2018	<0.001	<0.001				
3/14/2019		<0.001			<0.001	
3/15/2019	<0.001		<0.001	<0.001		
4/4/2019			<0.001			
4/5/2019	0.00013 (J)	0.00014 (J)		<0.001	<0.001	
9/25/2019	0.00012 (J)	0.00019 (J)	<0.001			
9/26/2019					<0.001	
9/27/2019				<0.001		
3/2/2020				<0.001	<0.001	
3/3/2020	0.00011 (J)	0.00013 (J)	<0.001			
3/27/2020				<0.001		
3/31/2020	0.00014 (J)	0.00015 (J)				
4/1/2020			<0.001		<0.001	0.00029 (J)
6/17/2020			<0.001			0.00028 (J)
9/15/2020		0.00016 (J)				
9/16/2020	<0.001					
9/17/2020				<0.001	<0.001	
9/21/2020			<0.001			0.00029 (J)
2/11/2021	<0.001	<0.001	<0.001			
2/12/2021					<0.001	0.00025 (J)
2/15/2021				<0.001		
3/17/2021				<0.001	<0.001	
3/18/2021	<0.001	0.00016 (J)	<0.001			0.00031 (J)
8/18/2021	<0.001					0.0004 (J)
8/19/2021		0.0002 (J)	<0.001	<0.001	<0.001	
2/8/2022	<0.001	<0.001	<0.001	<0.001		0.00025 (J)
2/10/2022					<0.001	
8/10/2022	<0.001	<0.001				<0.001
8/11/2022			<0.001	<0.001	<0.001	
1/27/2023			<0.001			0.00021 (J)
1/30/2023	0.00025 (J)			<0.001		
2/1/2023		<0.001			<0.001	
8/12/2023			<0.001			
8/13/2023	<0.001	<0.001		<0.001	<0.001	0.00022 (J)
2/17/2024	<0.001					
2/18/2024		<0.001	<0.001	<0.001	<0.001	<0.001
8/8/2024	<0.001					
8/9/2024		<0.001	<0.001		<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	MW-21D	MW-22	MW-23D	MW-33
8/10/2024				<0.001		
2/16/2025	<0.001					<0.001
2/17/2025					<0.001	
2/18/2025		<0.001	<0.001	<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/30/2025 7:30 PM View: Time Series & Box Plot

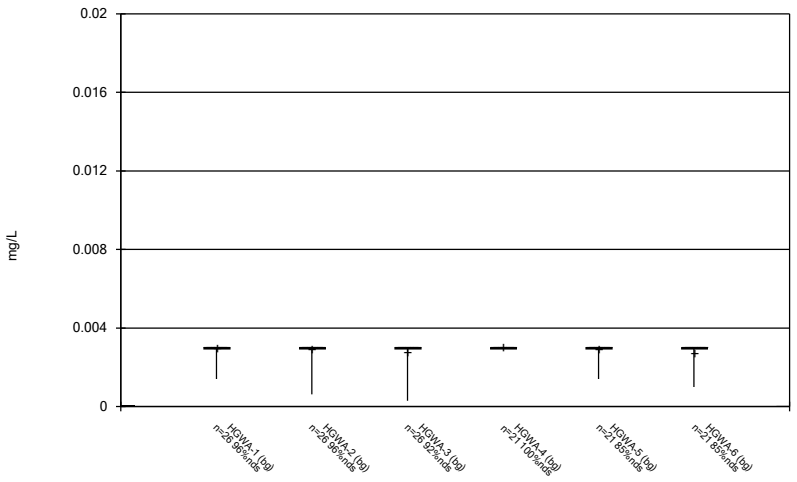
Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-34D	MW-35	MW-37D	MW-51
6/18/2020	0.00015 (J)	0.00013 (J)	<0.001	
9/21/2020		<0.001		
9/23/2020	<0.001		<0.001	
2/11/2021			<0.001	
2/15/2021		<0.001		
3/12/2021			<0.001	
3/19/2021		<0.001		
8/16/2021	<0.001			
8/18/2021		<0.001	<0.001	<0.001
2/8/2022		<0.001	<0.001	<0.001
2/9/2022	<0.001			
8/10/2022	<0.001		<0.001	
8/11/2022		<0.001		<0.001
1/30/2023	<0.001		<0.001	
2/1/2023		<0.001		<0.001
8/12/2023	<0.001	<0.001		<0.001
8/13/2023			<0.001	
2/18/2024	<0.001		<0.001	
2/19/2024		<0.001		<0.001
8/9/2024		<0.001		<0.001
8/10/2024	<0.001		<0.001	
2/17/2025			<0.001	
2/18/2025	<0.001			
3/6/2025		<0.001		<0.001

ND substitution: RL or RL/2 if <15% NDs.

FIGURE B.

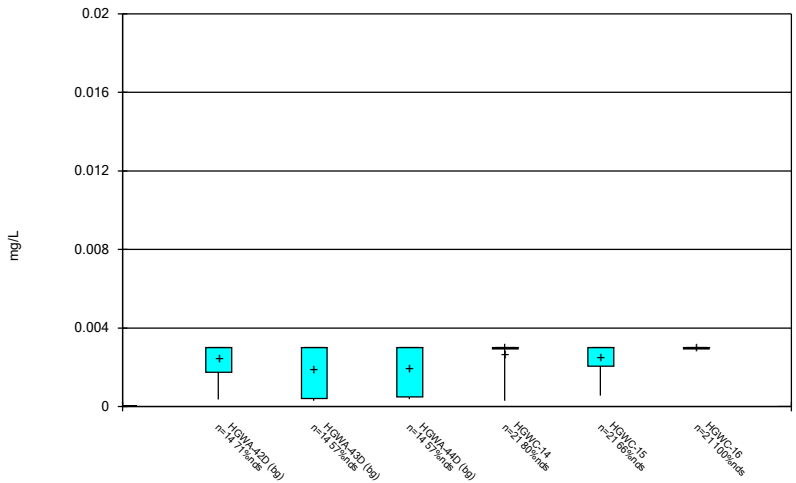
Box & Whiskers Plot



Constituent: Antimony Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

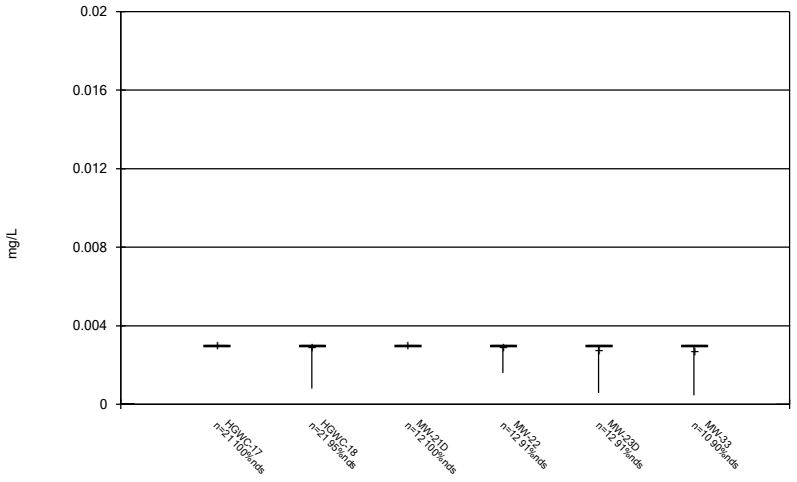
Box & Whiskers Plot



Constituent: Antimony Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

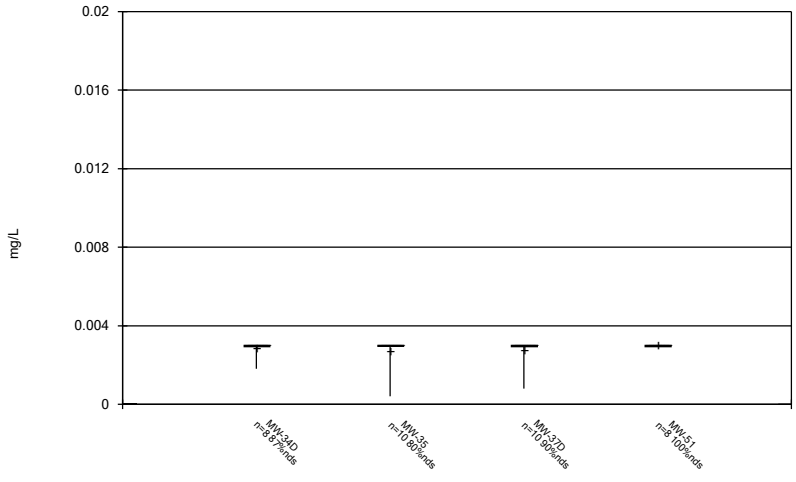
Box & Whiskers Plot



Constituent: Antimony Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

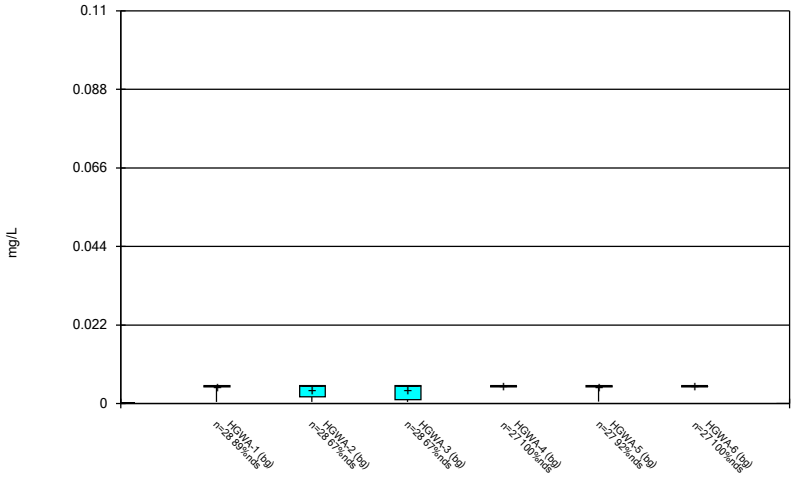
Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Antimony Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

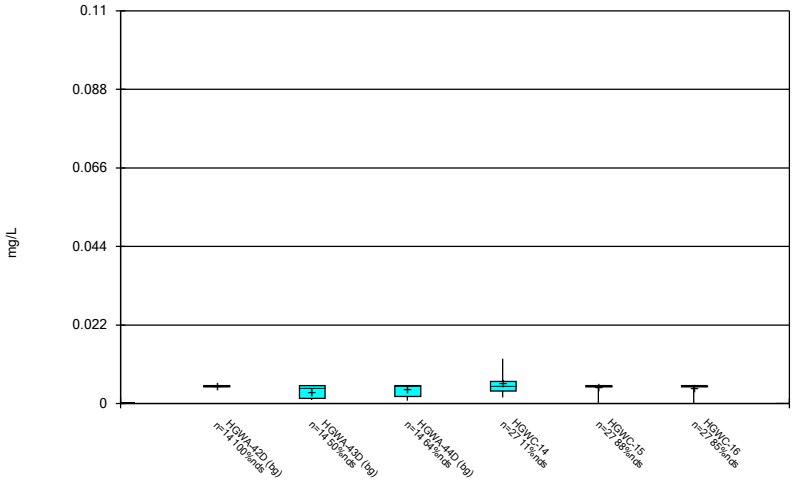
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

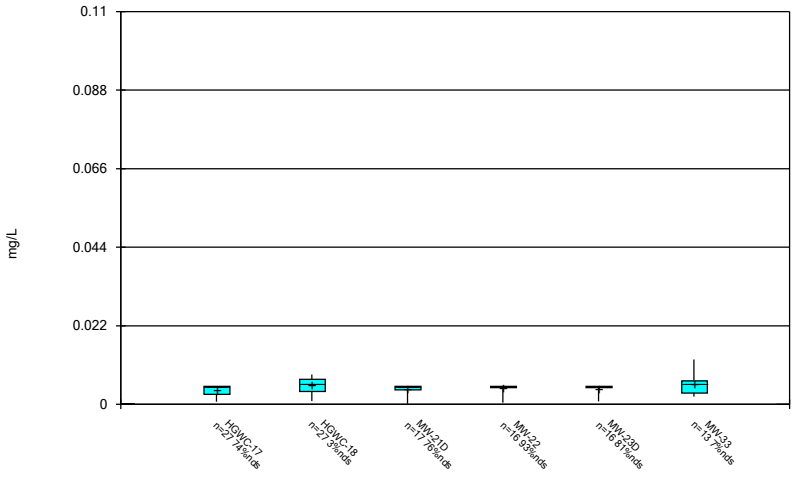
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

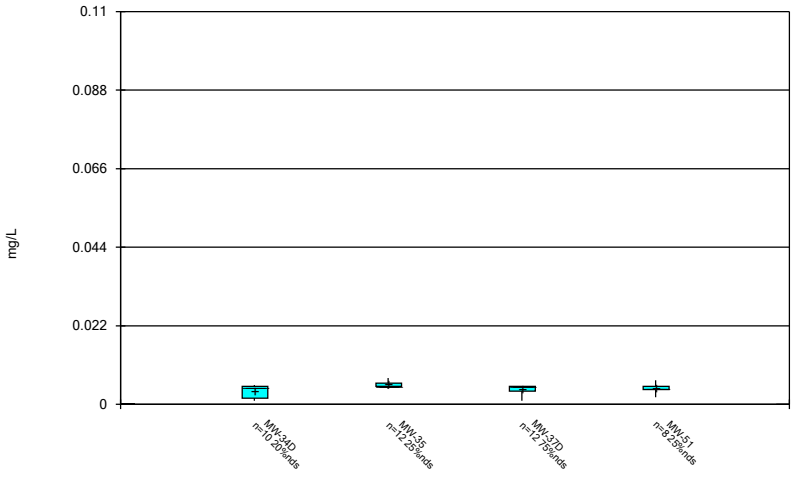
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

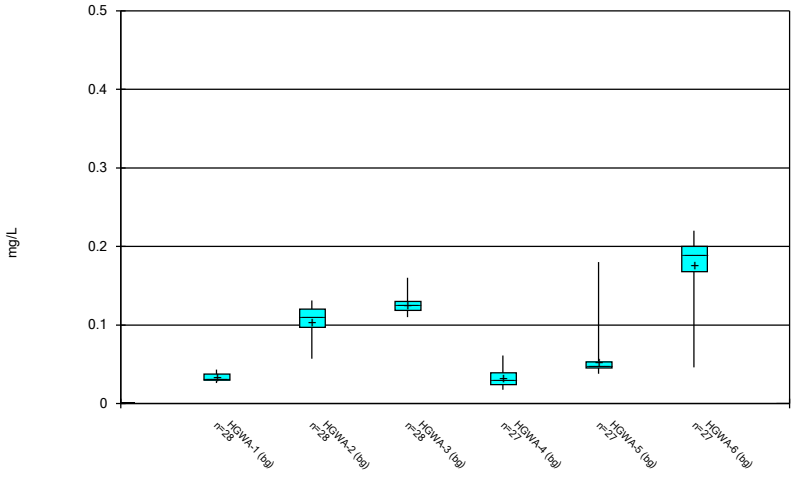
Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Arsenic Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

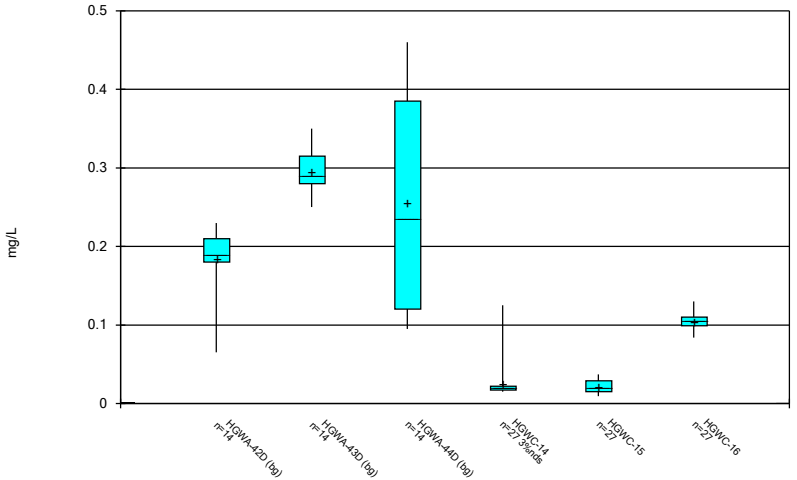
Box & Whiskers Plot



Constituent: Barium Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

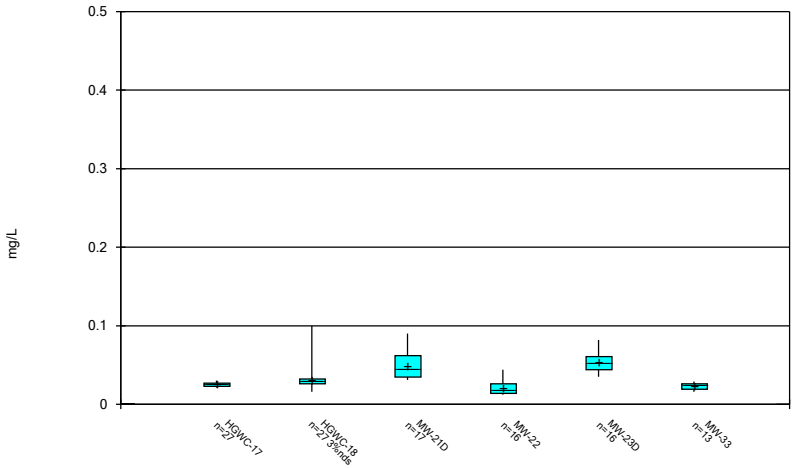
Box & Whiskers Plot



Constituent: Barium Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

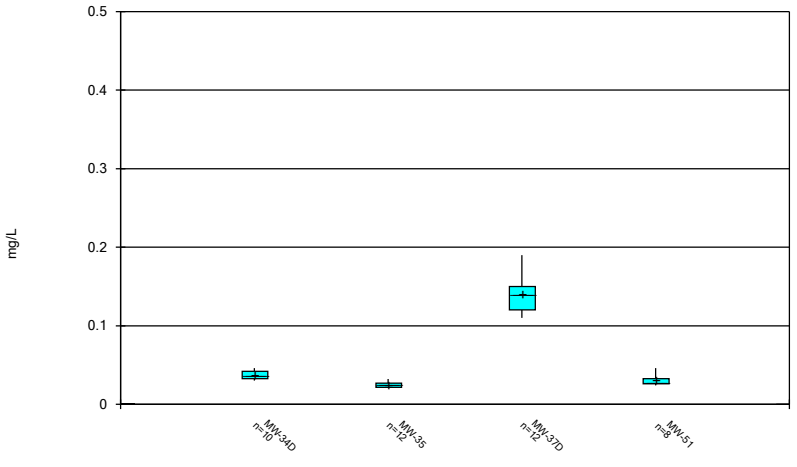
Box & Whiskers Plot



Constituent: Barium Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

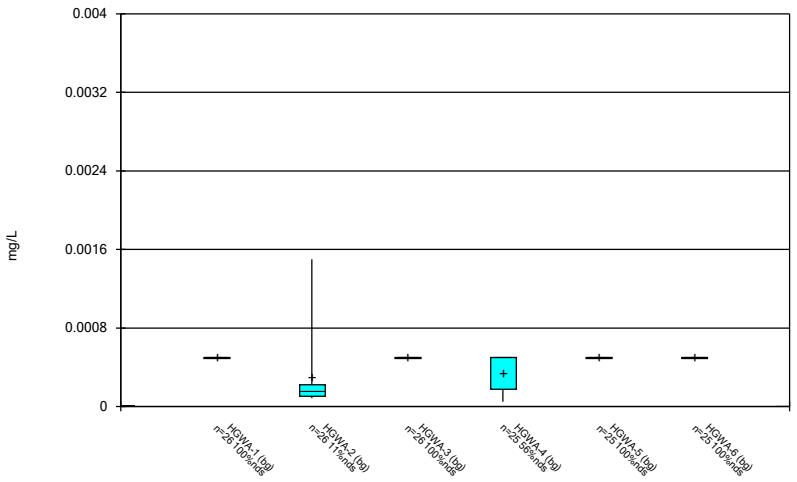
Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Barium Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

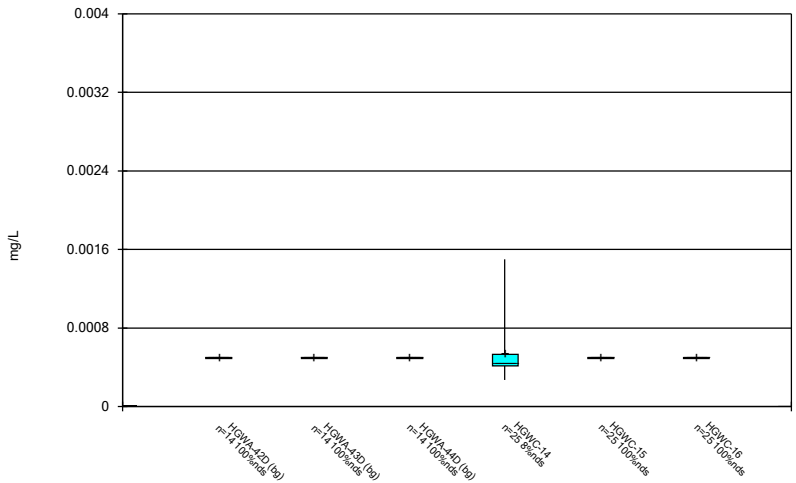
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

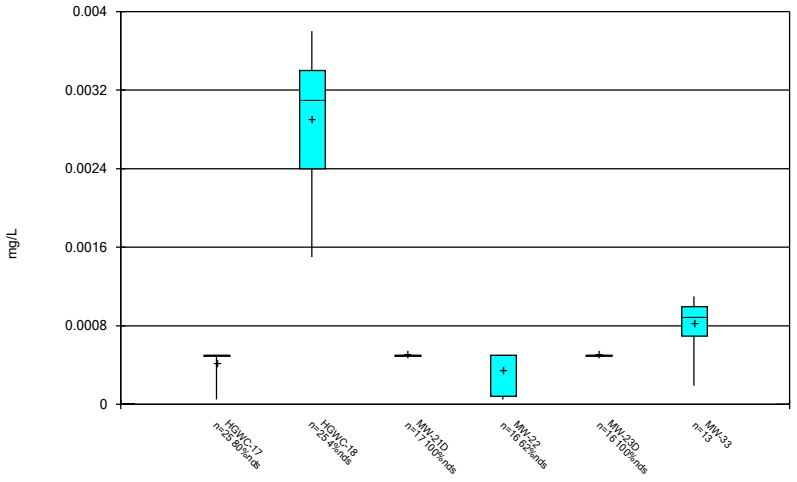
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

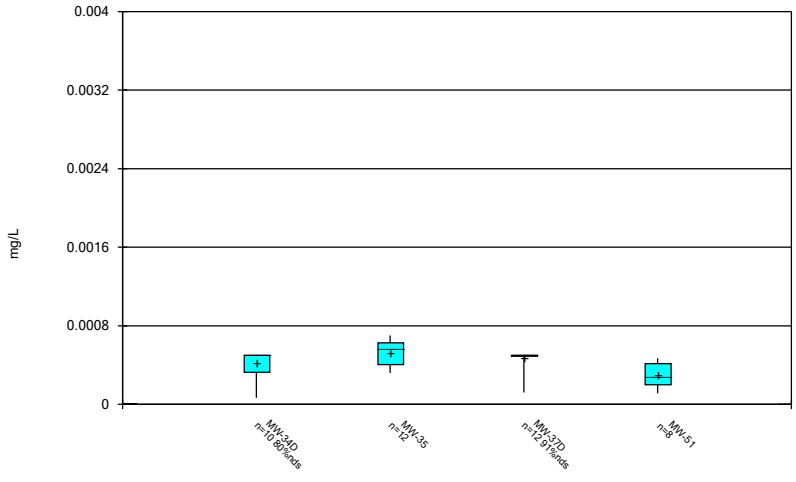
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

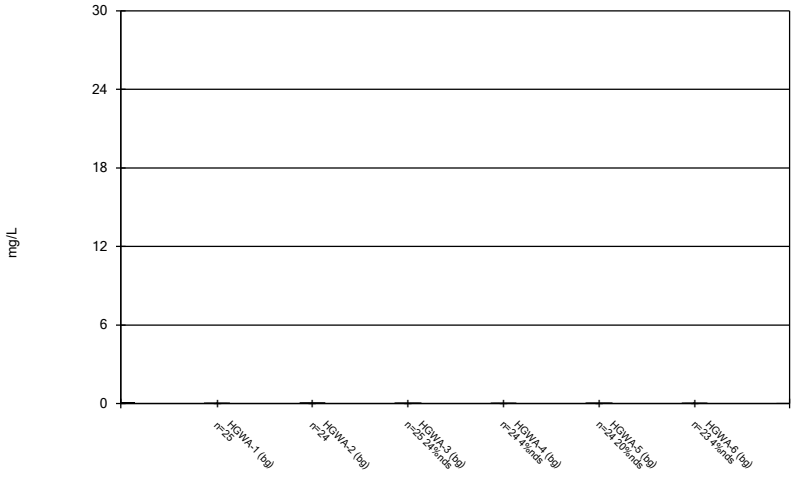
Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Beryllium Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

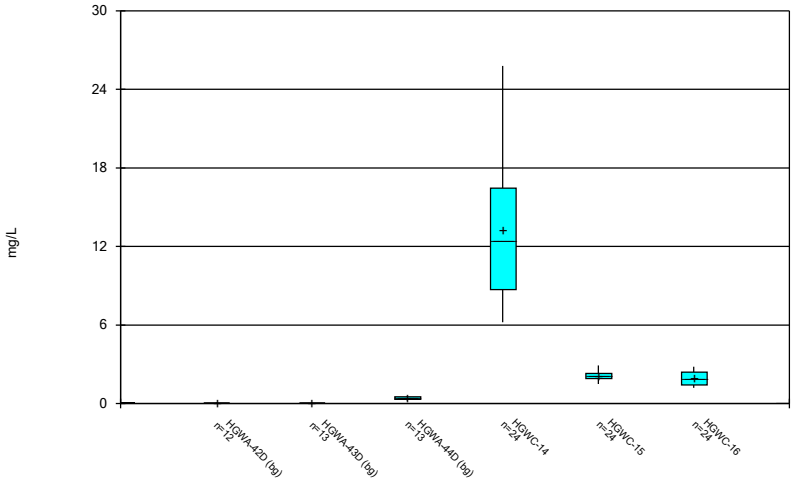
Box & Whiskers Plot



Constituent: Boron Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

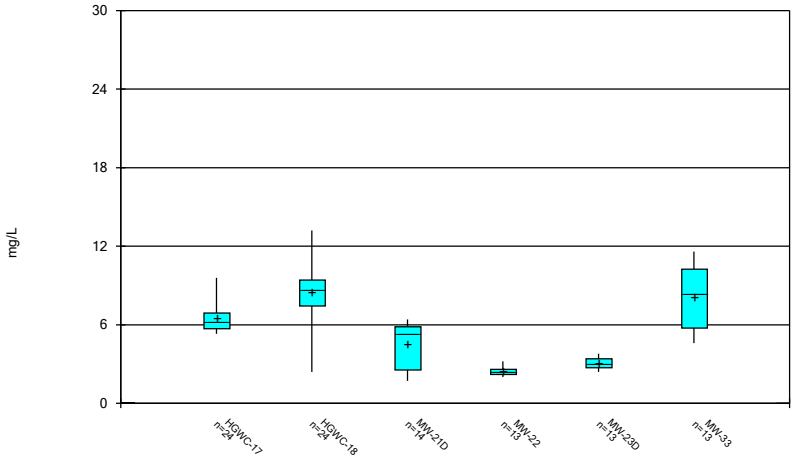
Box & Whiskers Plot



Constituent: Boron Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

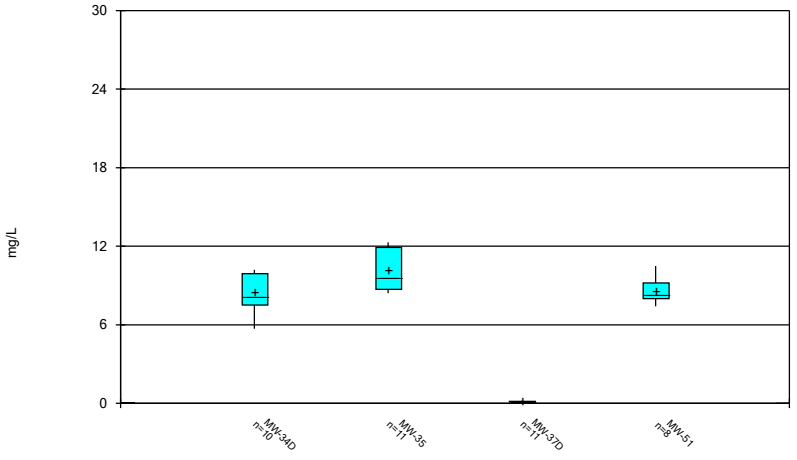
Box & Whiskers Plot



Constituent: Boron Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

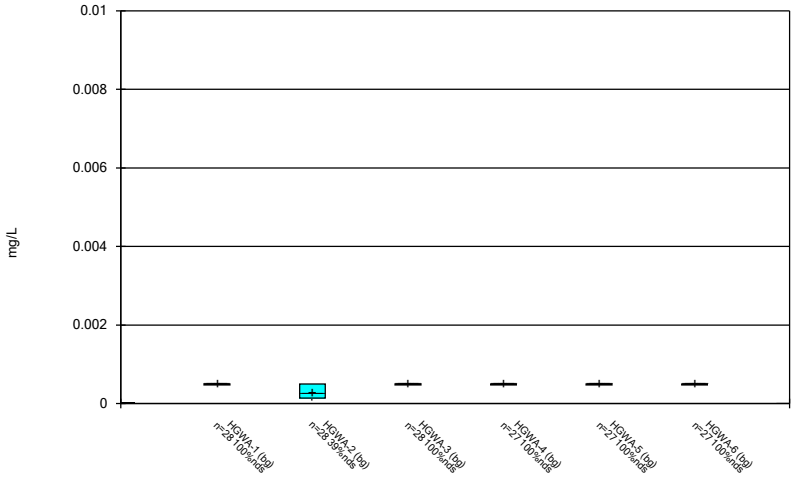
Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Boron Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

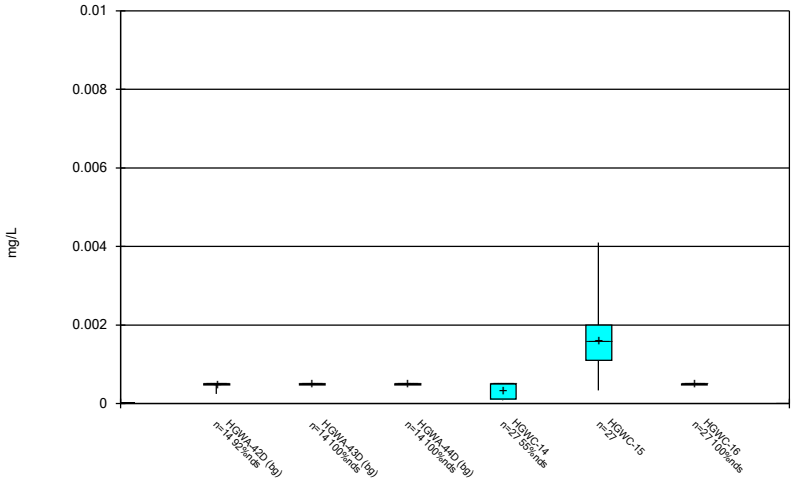
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

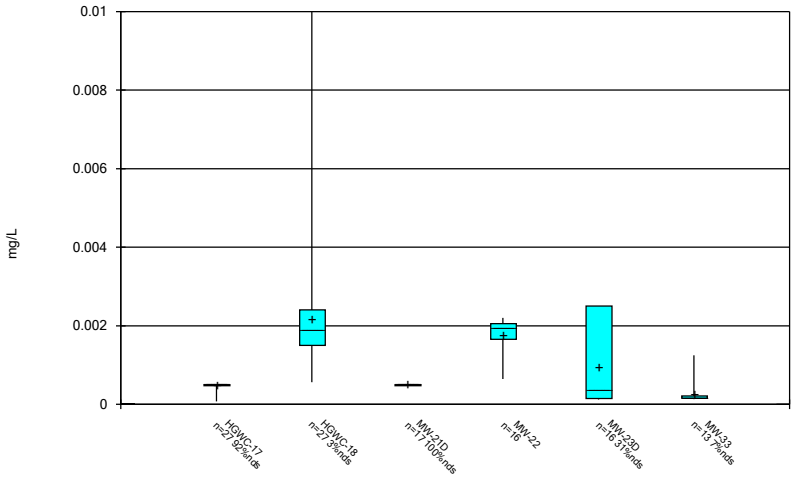
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

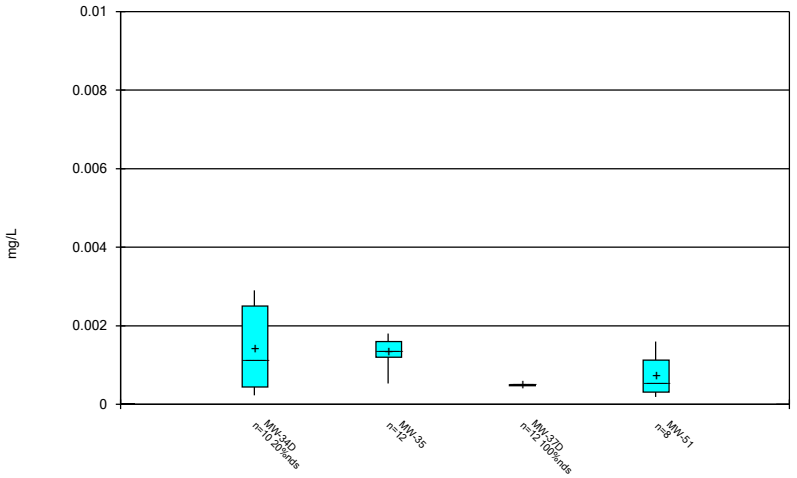
Box & Whiskers Plot



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Plant Hammond Client: Southern Company Data: Hammond AP2

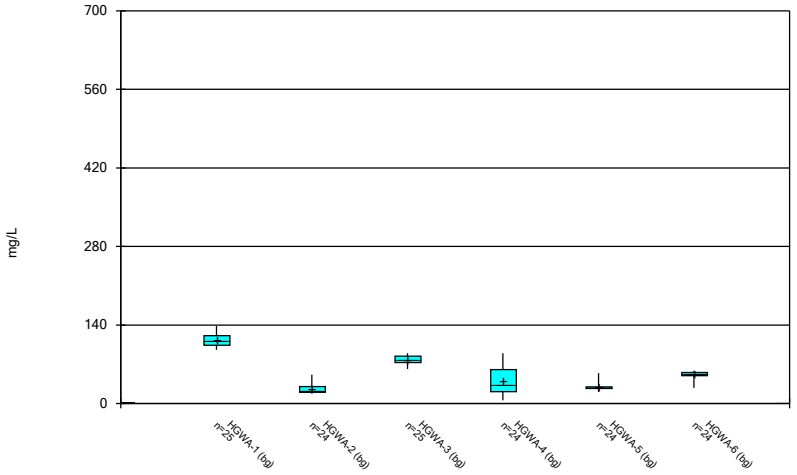
Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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Plant Hammond Client: Southern Company Data: Hammond AP2

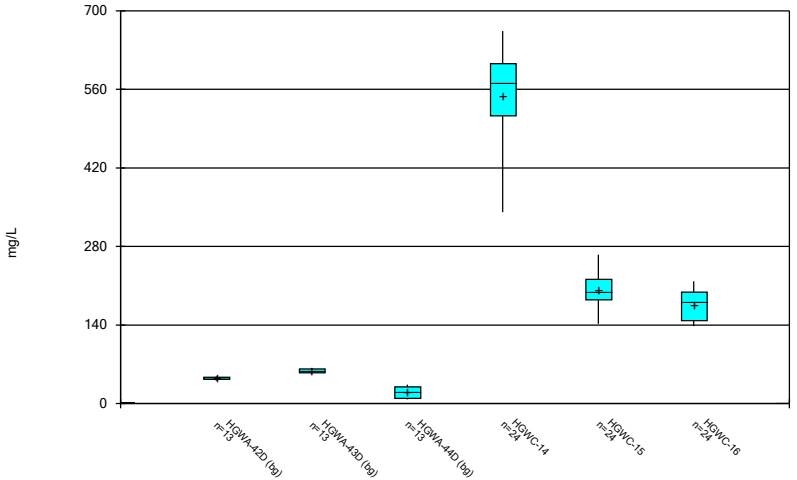
Box & Whiskers Plot



Constituent: Calcium Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

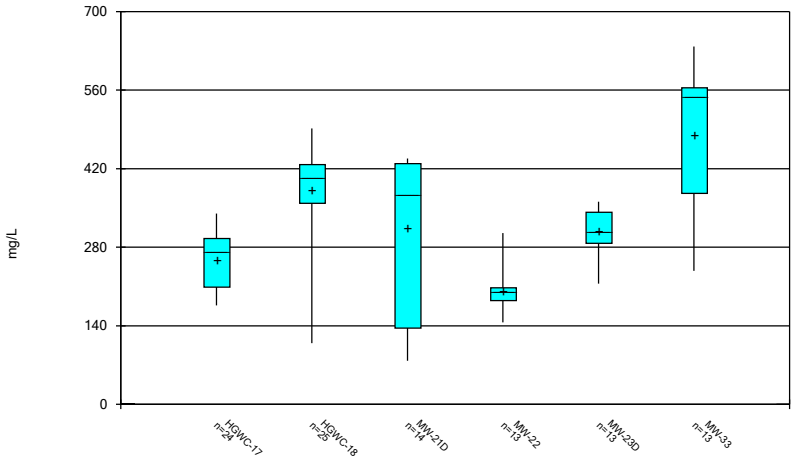
Box & Whiskers Plot



Constituent: Calcium Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

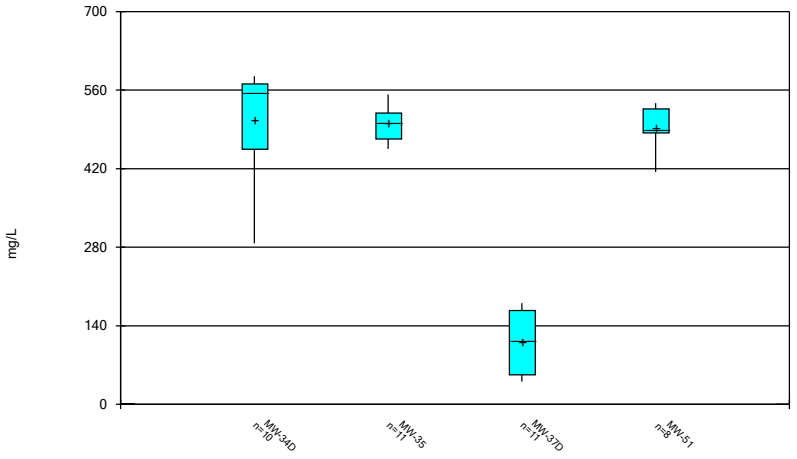
Box & Whiskers Plot



Constituent: Calcium Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

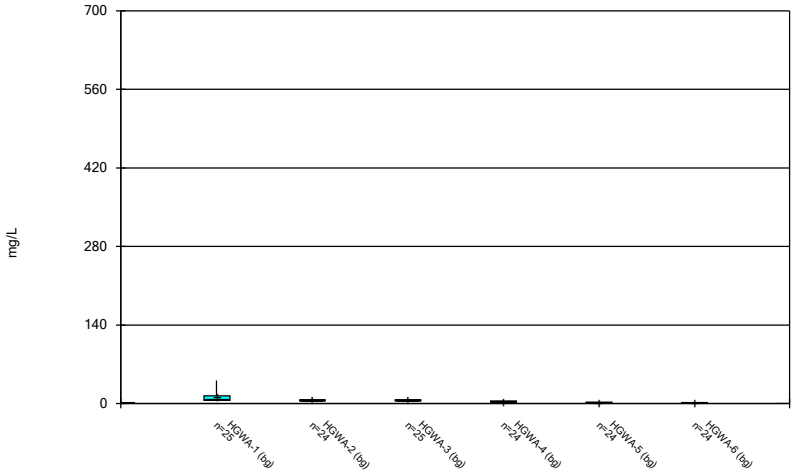
Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Calcium Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

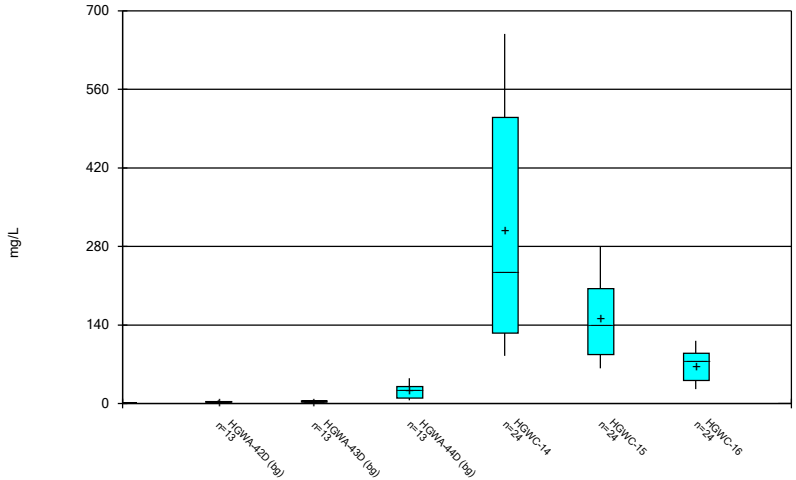
Box & Whiskers Plot



Constituent: Chloride Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

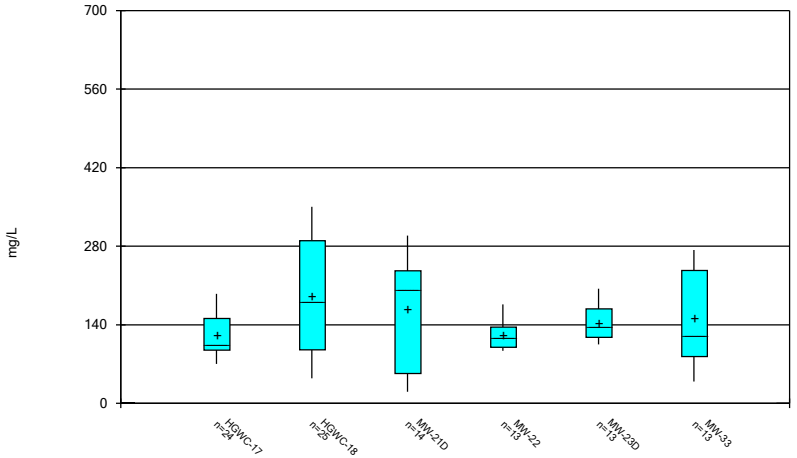
Box & Whiskers Plot



Constituent: Chloride Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

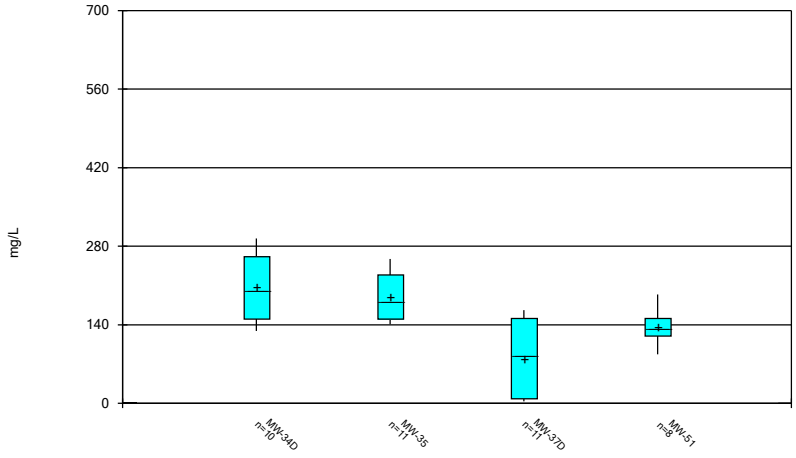
Box & Whiskers Plot



Constituent: Chloride Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

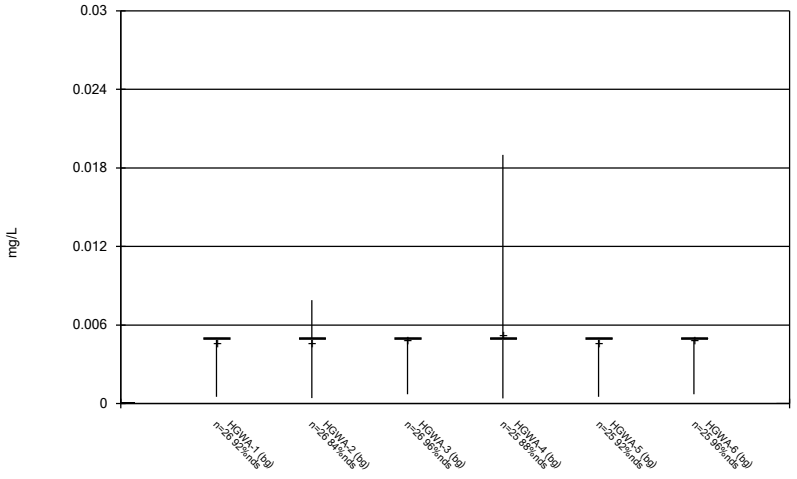
Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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Plant Hammond Client: Southern Company Data: Hammond AP2

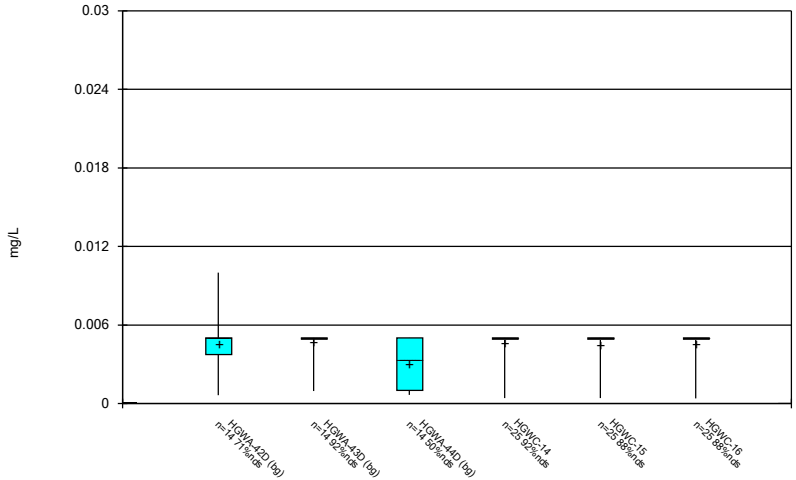
Box & Whiskers Plot



Constituent: Chromium Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

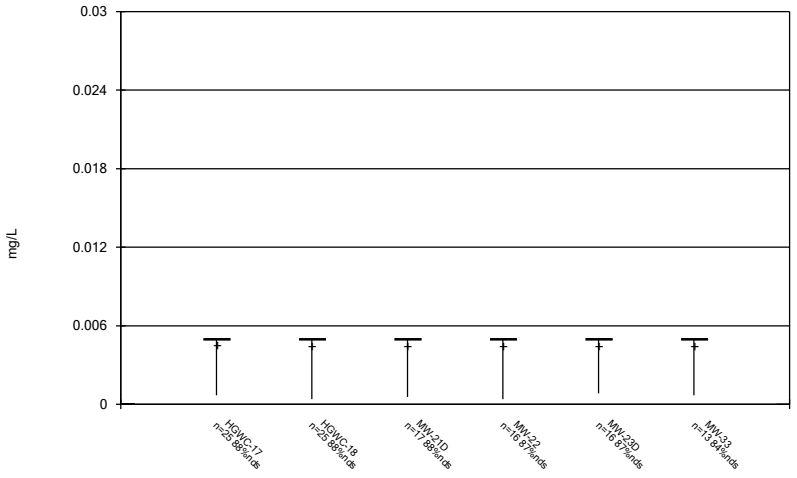
Box & Whiskers Plot



Constituent: Chromium Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

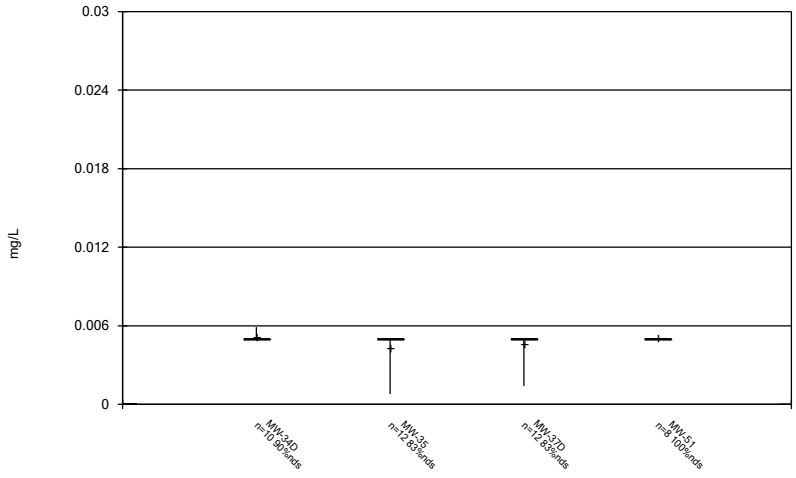
Box & Whiskers Plot



Constituent: Chromium Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
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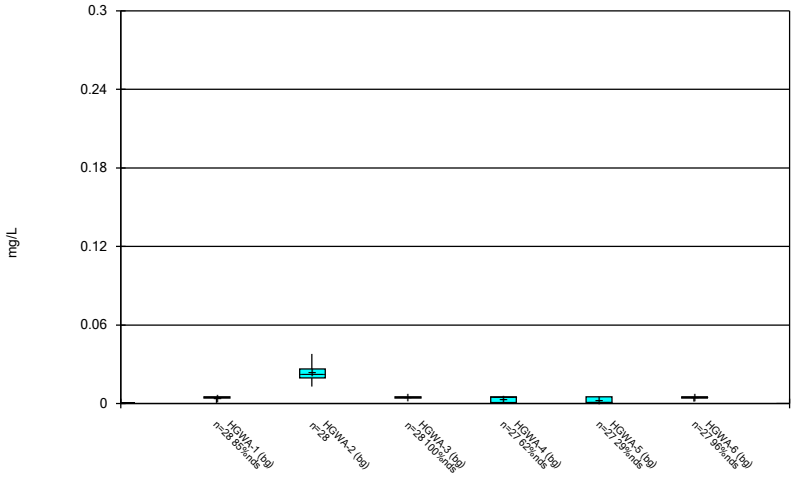
Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



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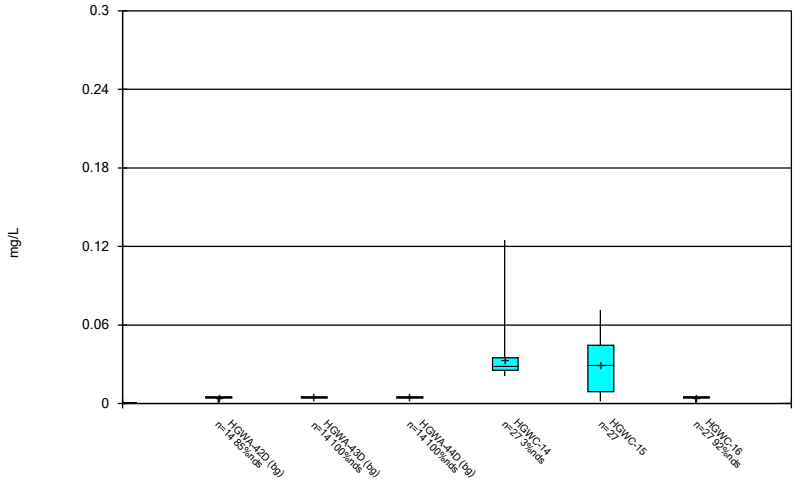
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

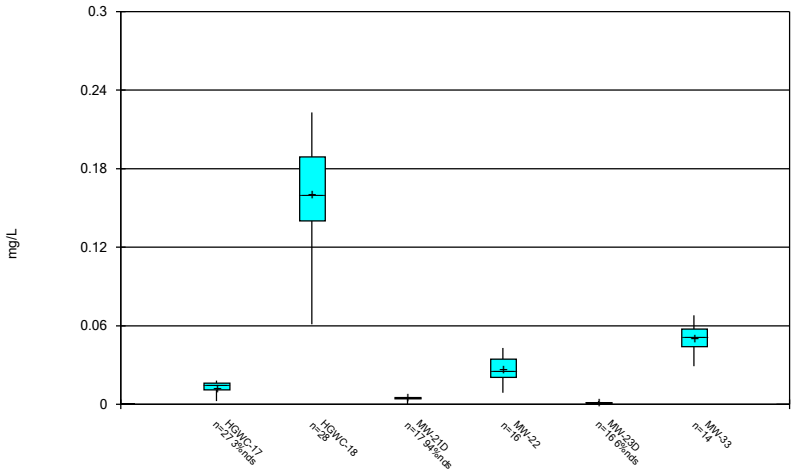
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

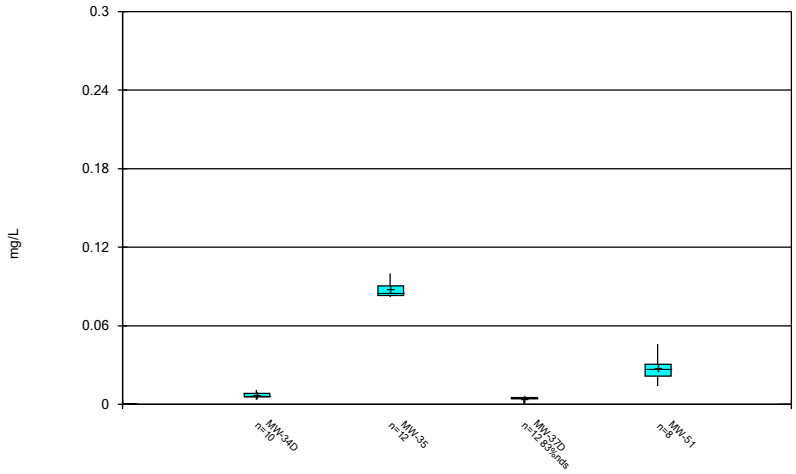
Box & Whiskers Plot



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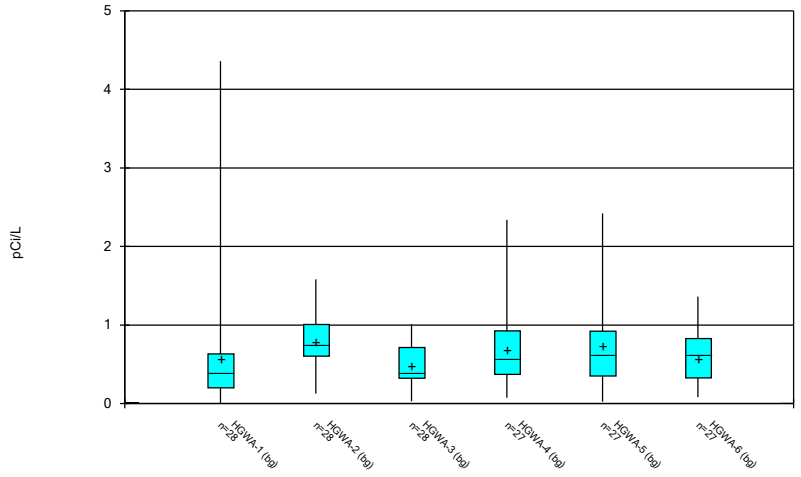
Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Cobalt Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

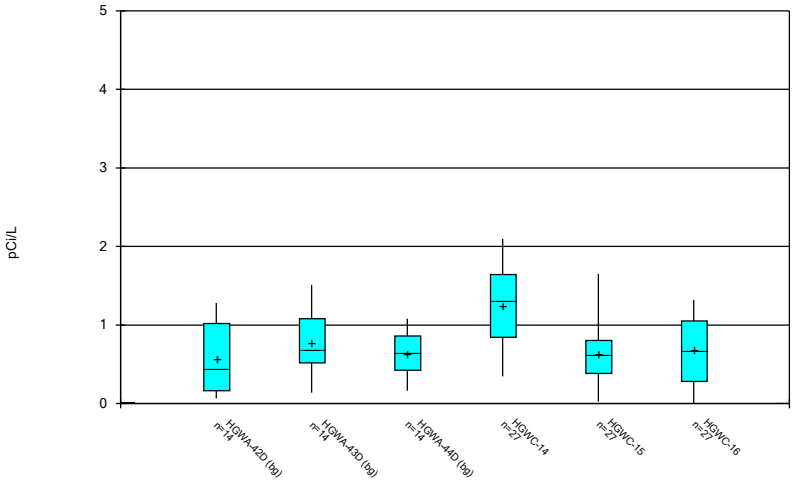
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

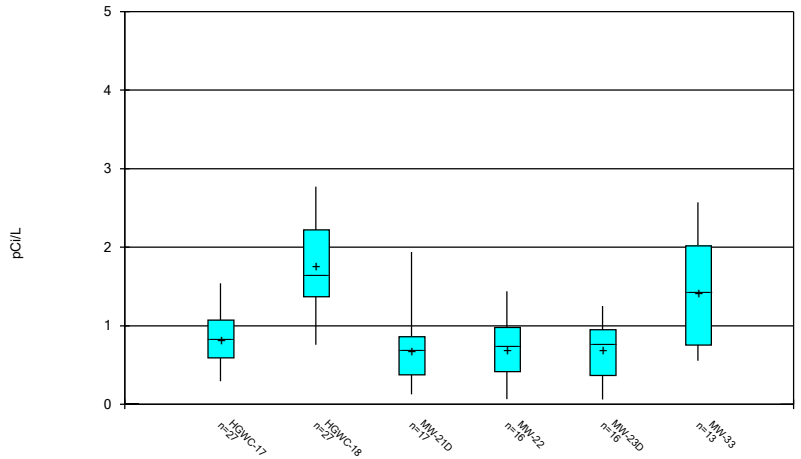
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

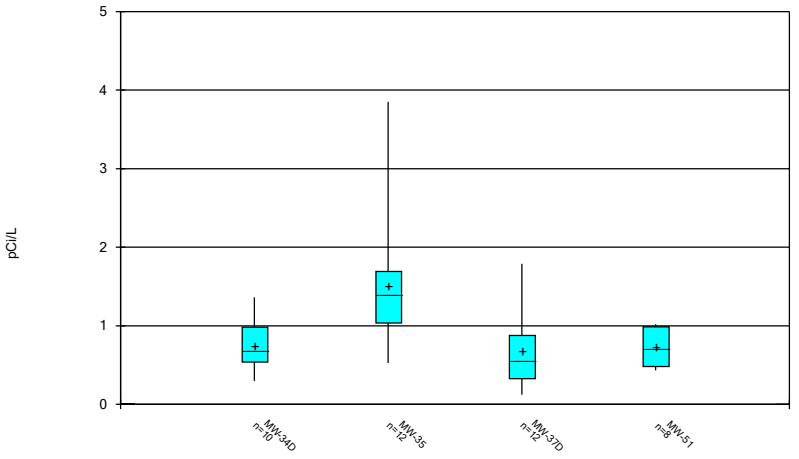
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
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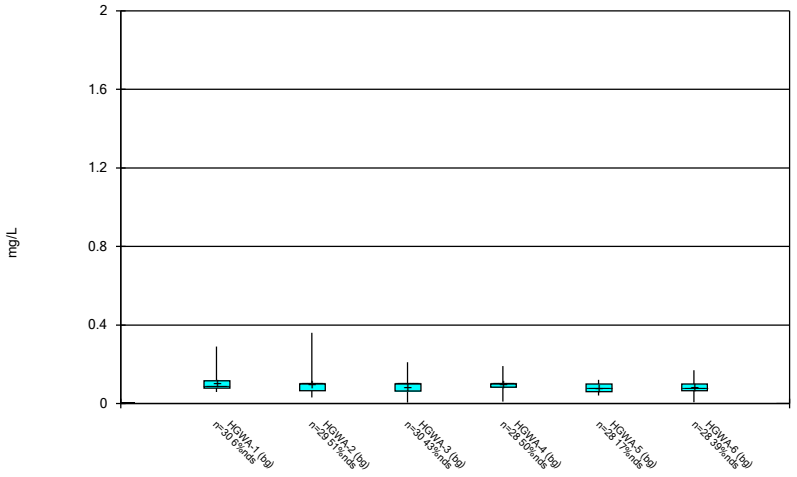
Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

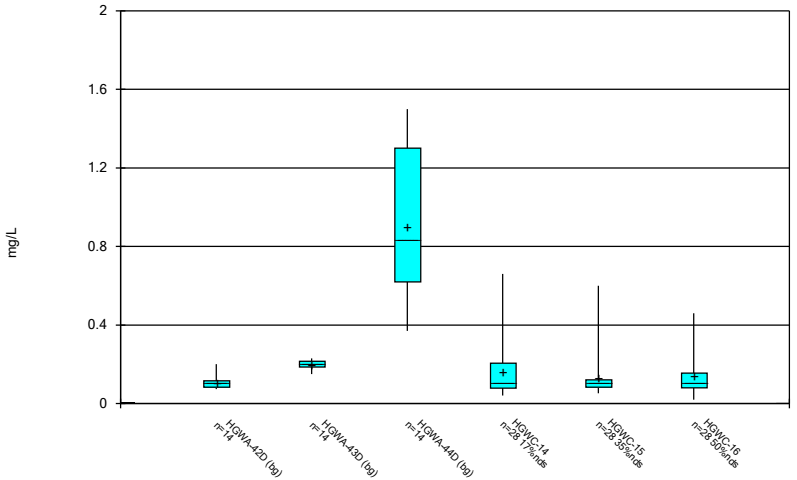
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

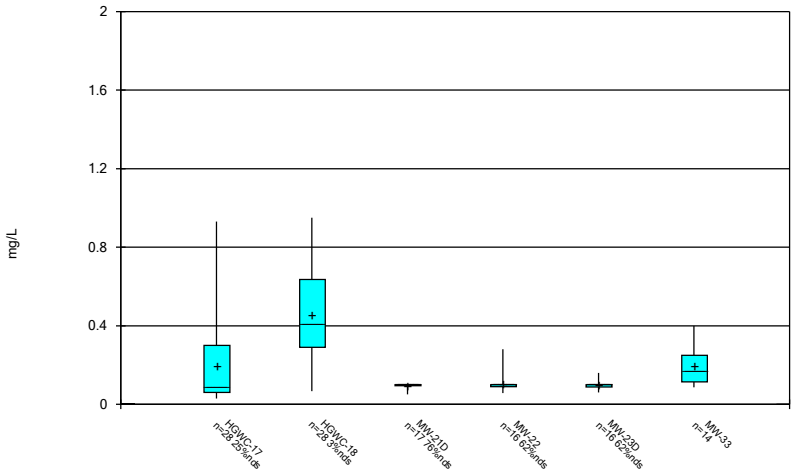
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

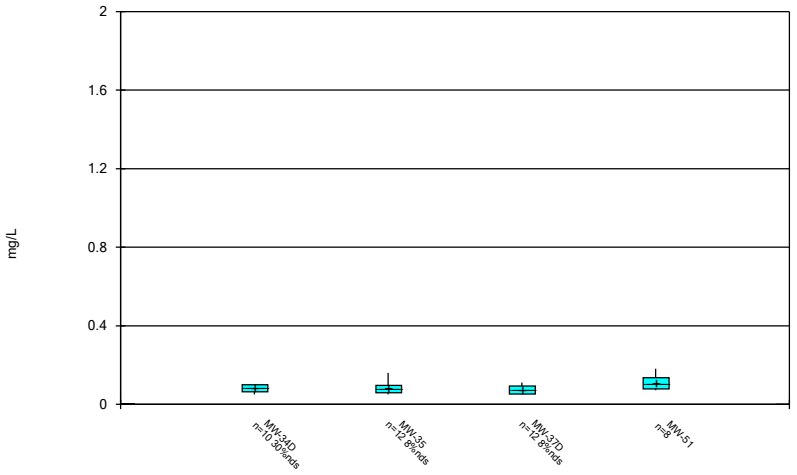
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

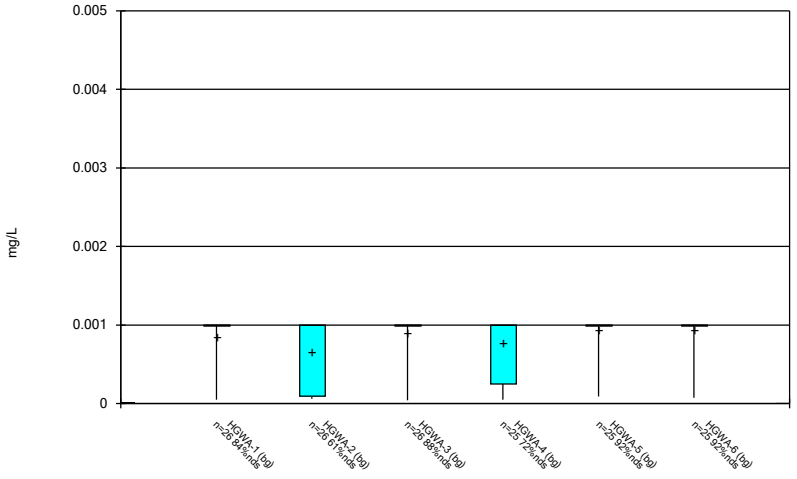
Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Fluoride Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

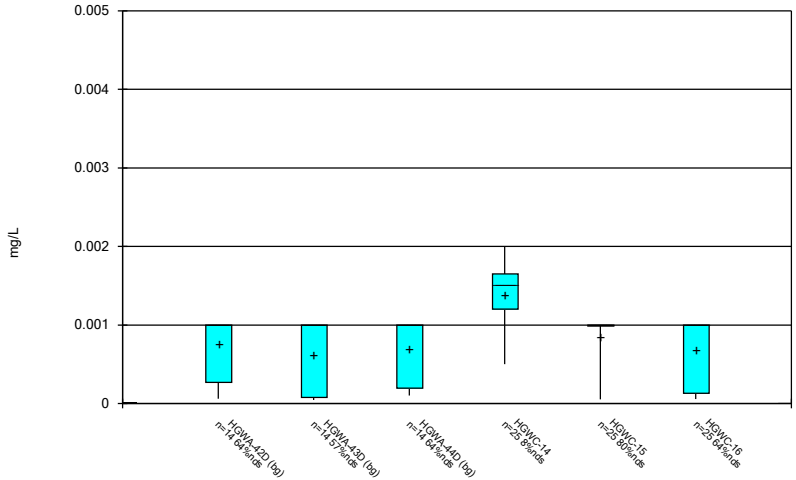
Box & Whiskers Plot



Constituent: Lead Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

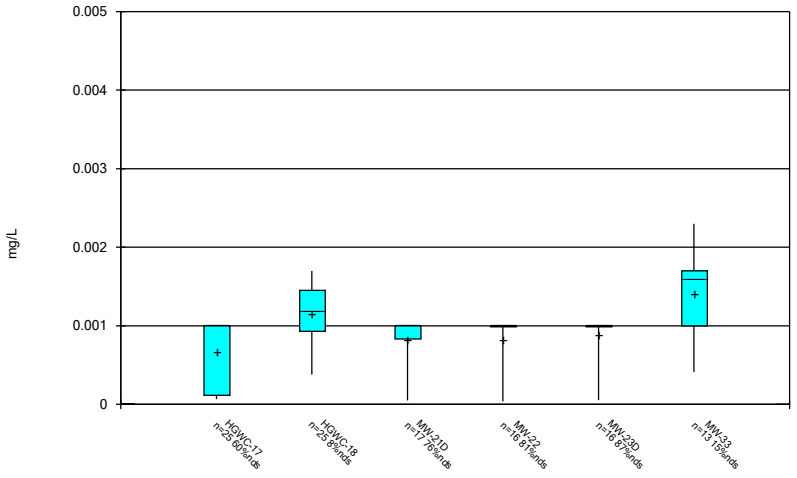
Box & Whiskers Plot



Constituent: Lead Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

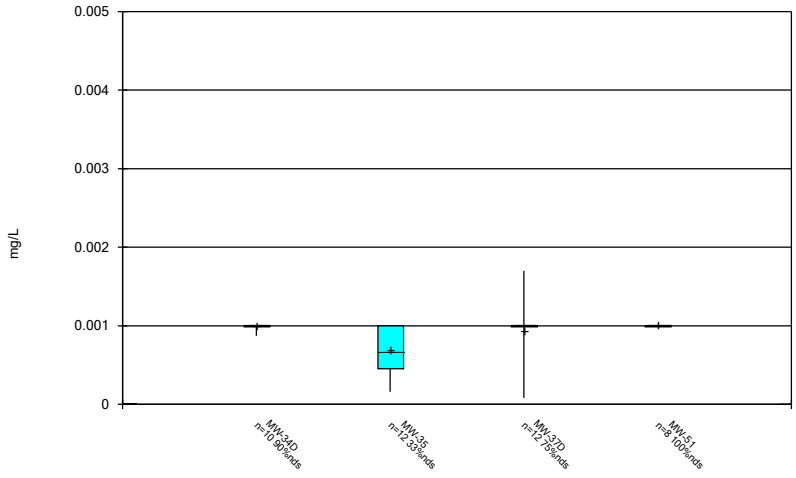
Box & Whiskers Plot



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Plant Hammond Client: Southern Company Data: Hammond AP2

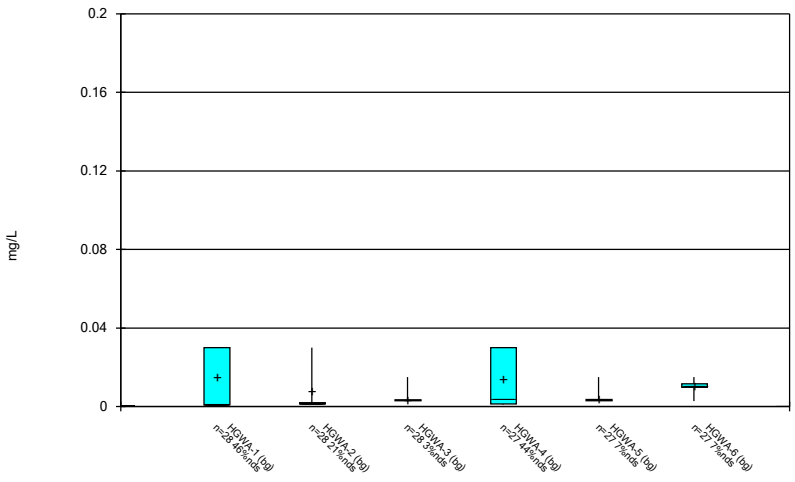
Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Lead Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

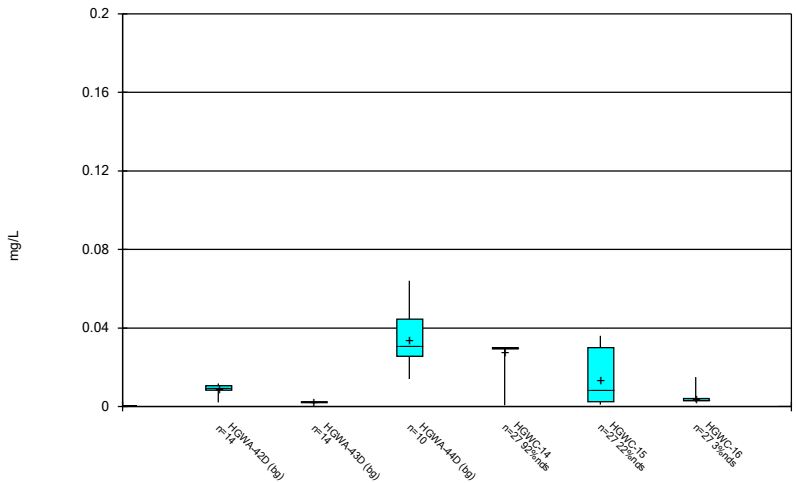
Box & Whiskers Plot



Constituent: Lithium Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

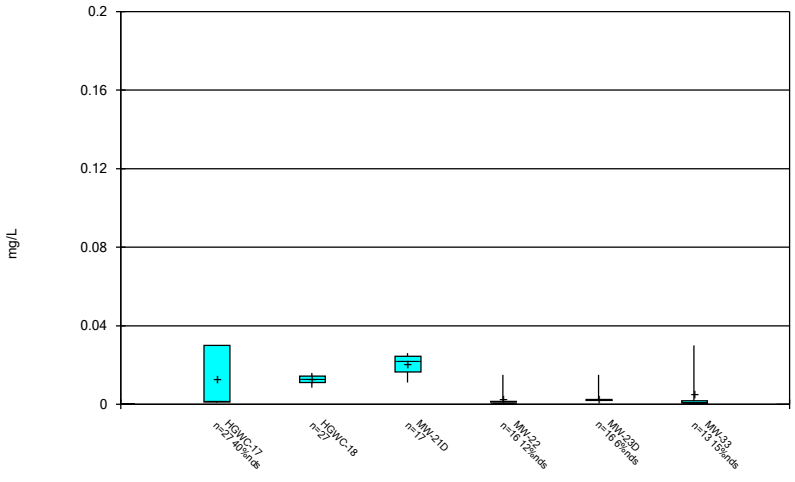
Box & Whiskers Plot



Constituent: Lithium Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

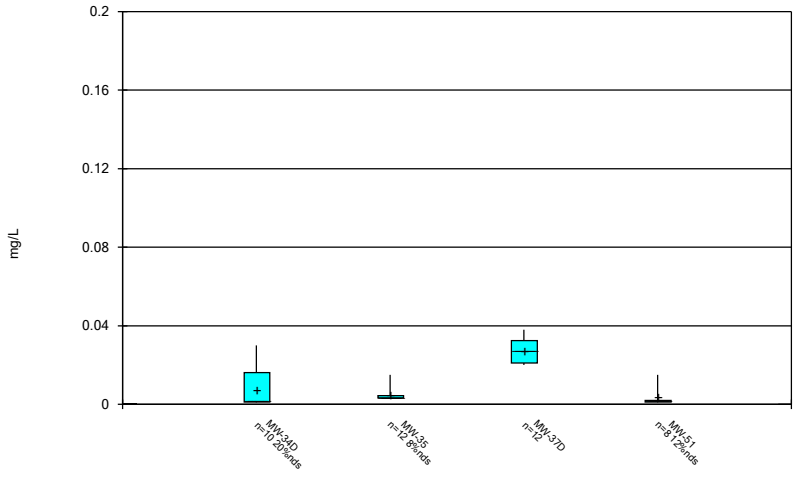
Box & Whiskers Plot



Constituent: Lithium Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

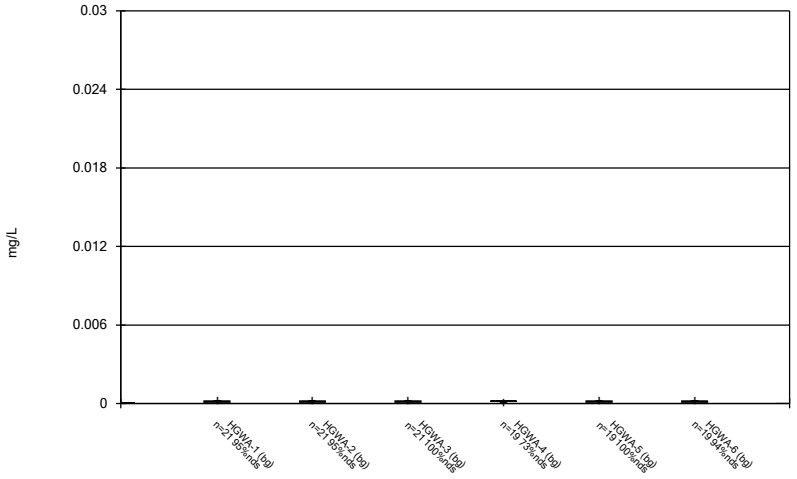
Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Lithium Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

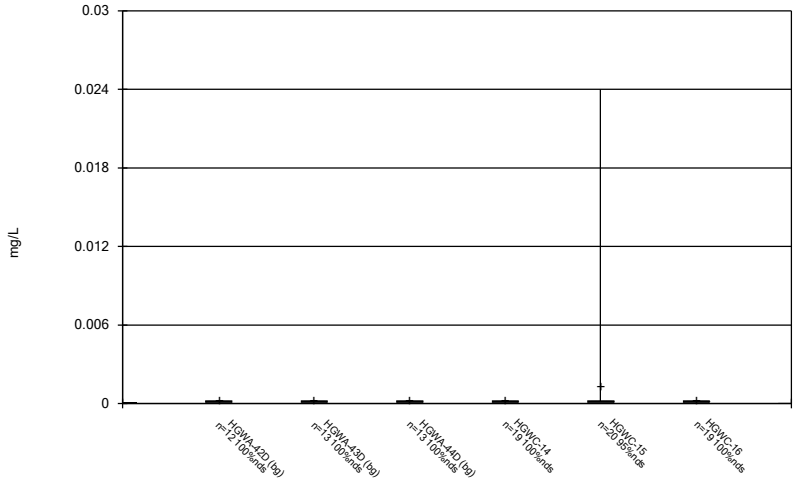
Box & Whiskers Plot



Constituent: Mercury Analysis Run 4/30/2025 7:31 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

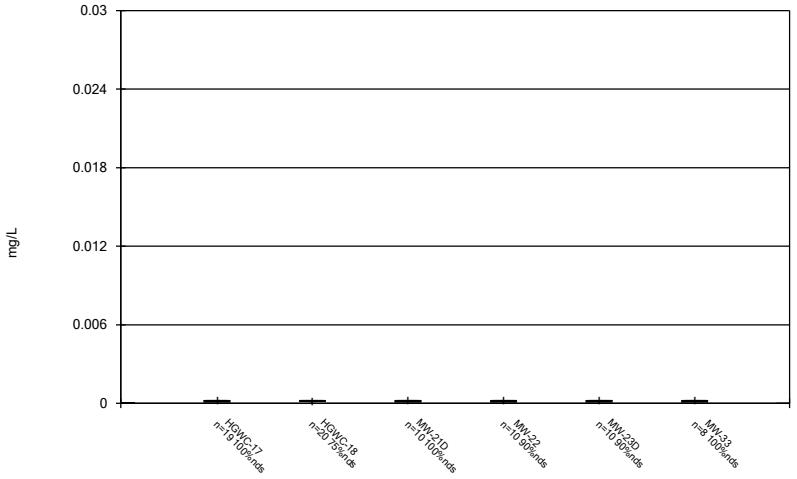
Box & Whiskers Plot



Constituent: Mercury Analysis Run 4/30/2025 7:32 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

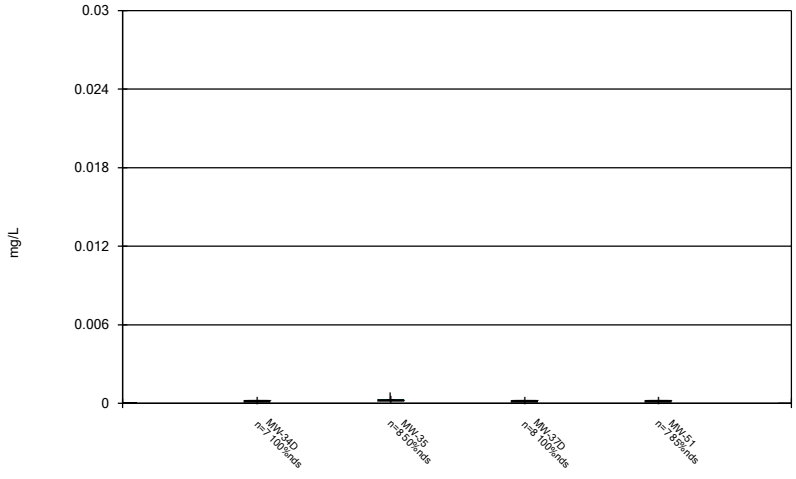
Box & Whiskers Plot



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Plant Hammond Client: Southern Company Data: Hammond AP2

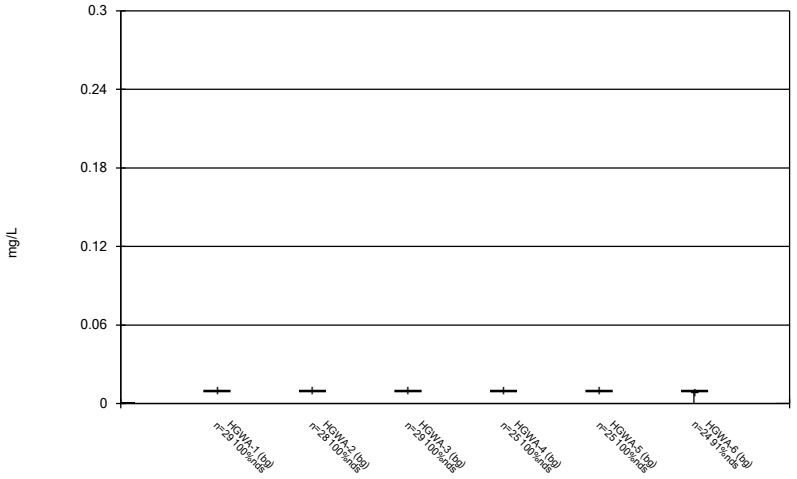
Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Mercury Analysis Run 4/30/2025 7:32 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

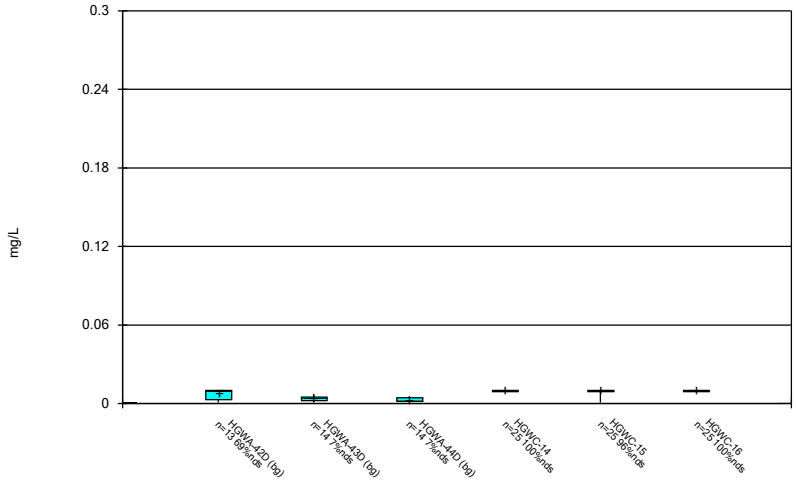
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 4/30/2025 7:32 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

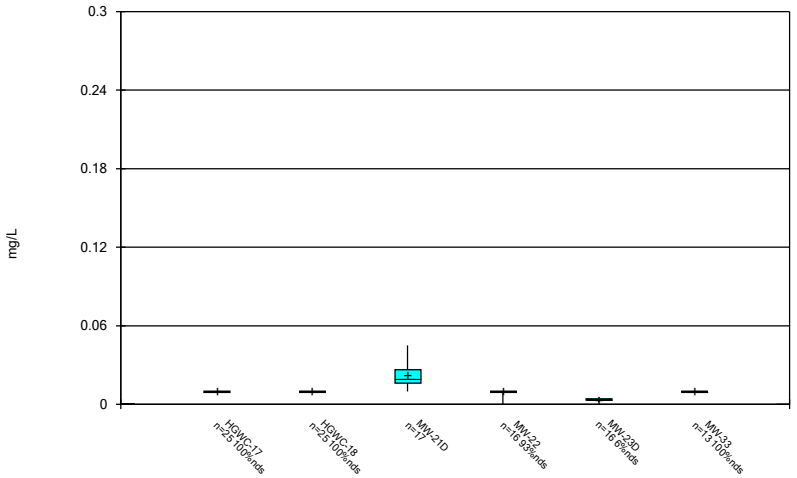
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Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

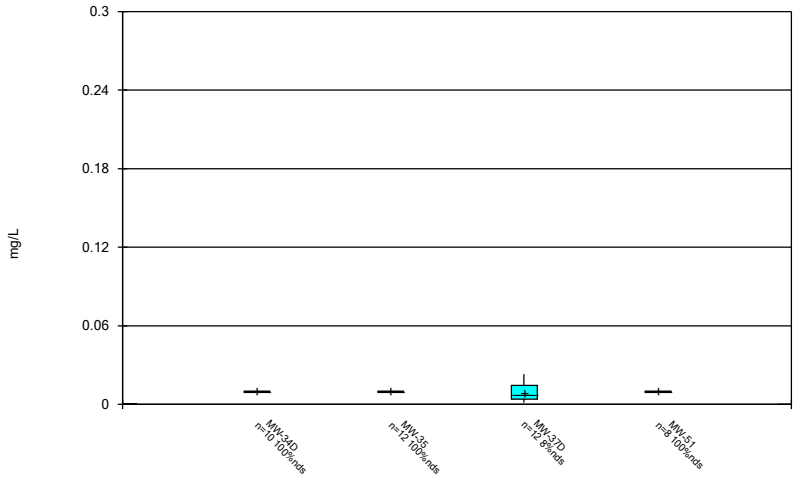
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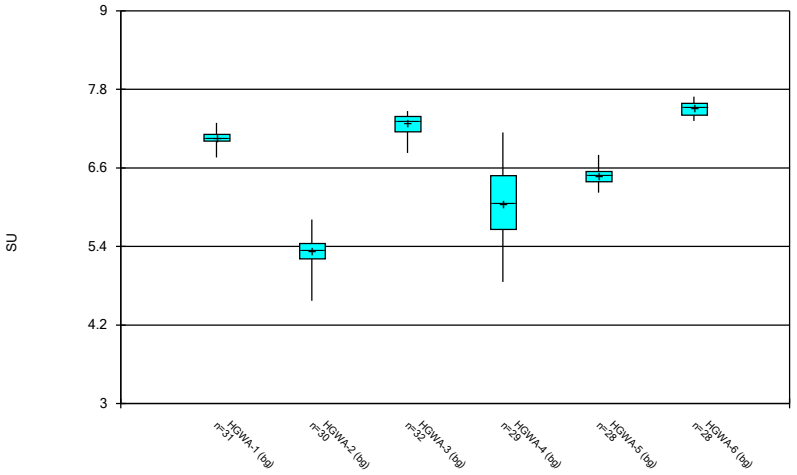
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Plant Hammond Client: Southern Company Data: Hammond AP2

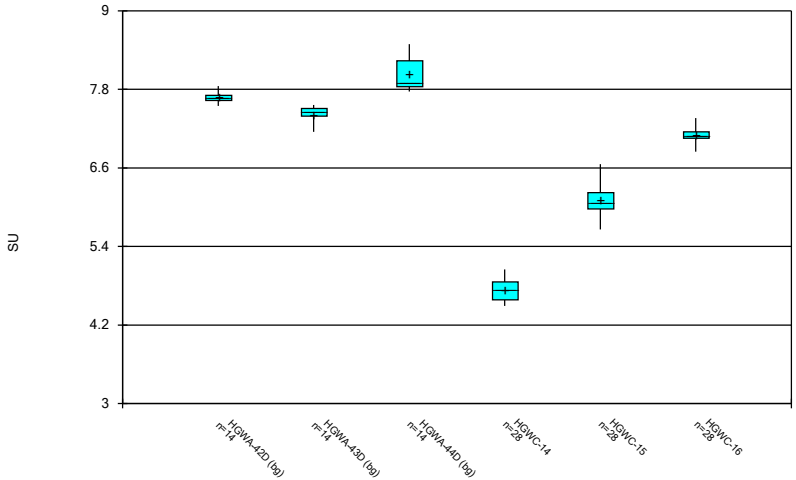
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Plant Hammond Client: Southern Company Data: Hammond AP2

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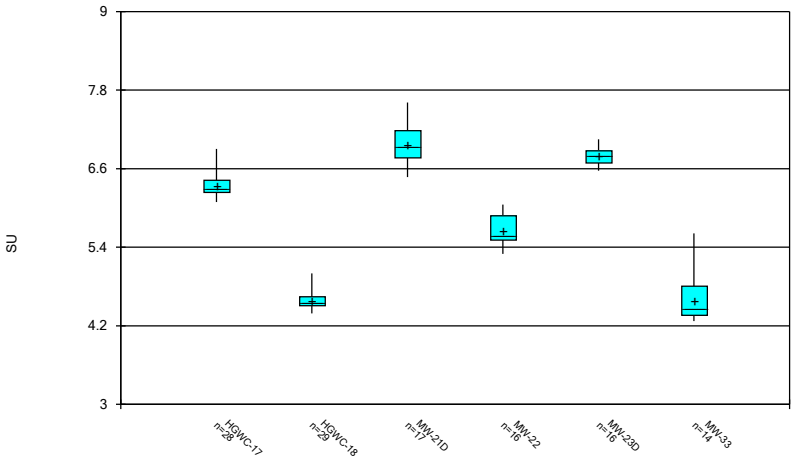
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Plant Hammond Client: Southern Company Data: Hammond AP2

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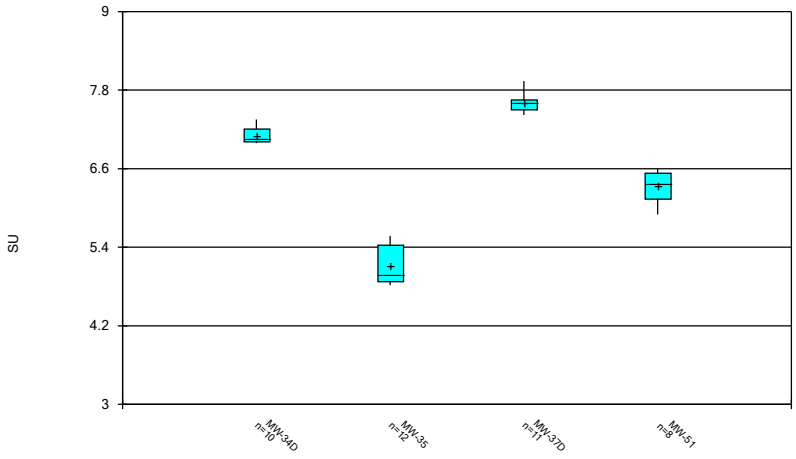
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Plant Hammond Client: Southern Company Data: Hammond AP2

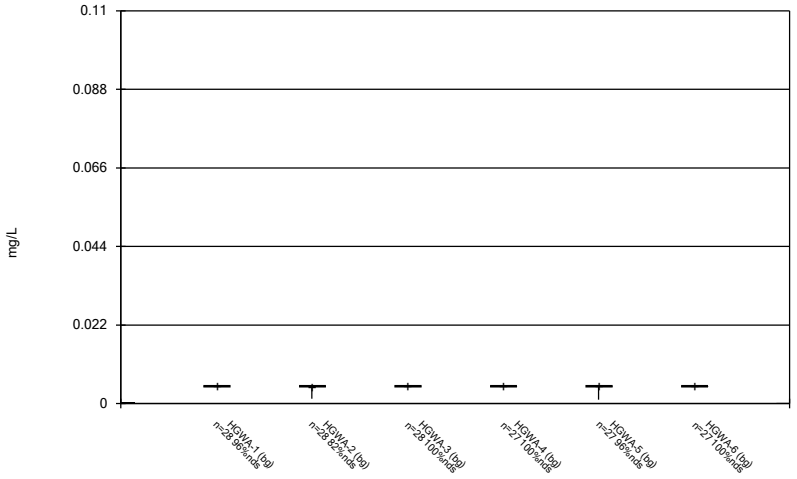
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Box & Whiskers Plot



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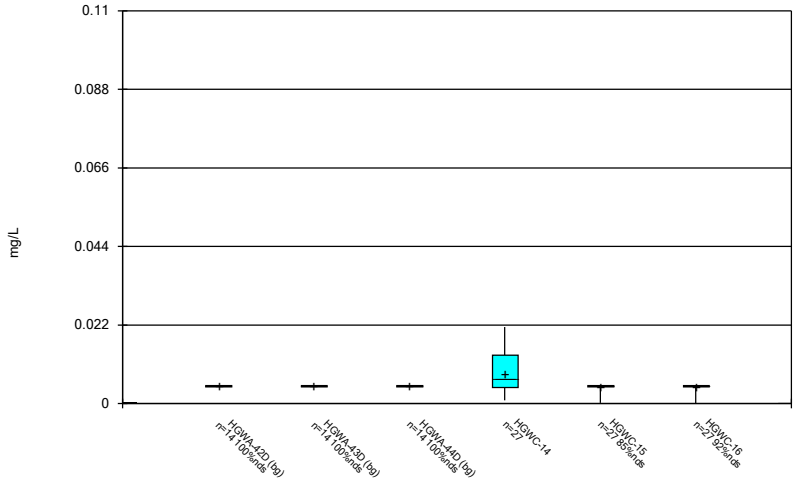
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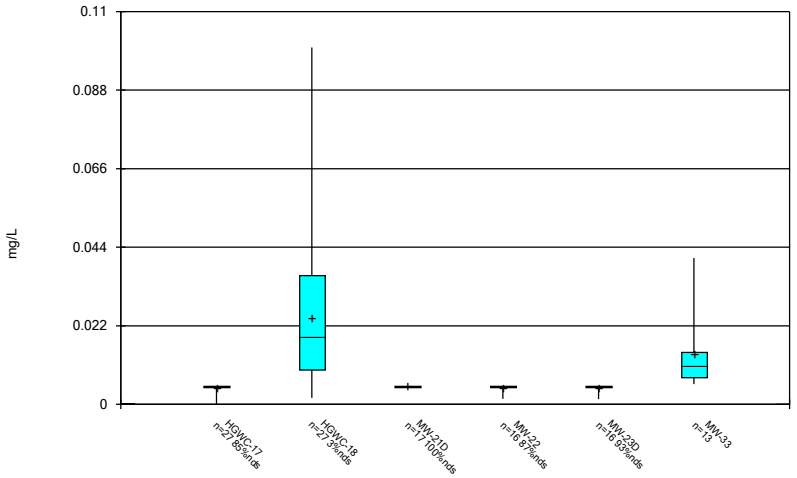
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Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

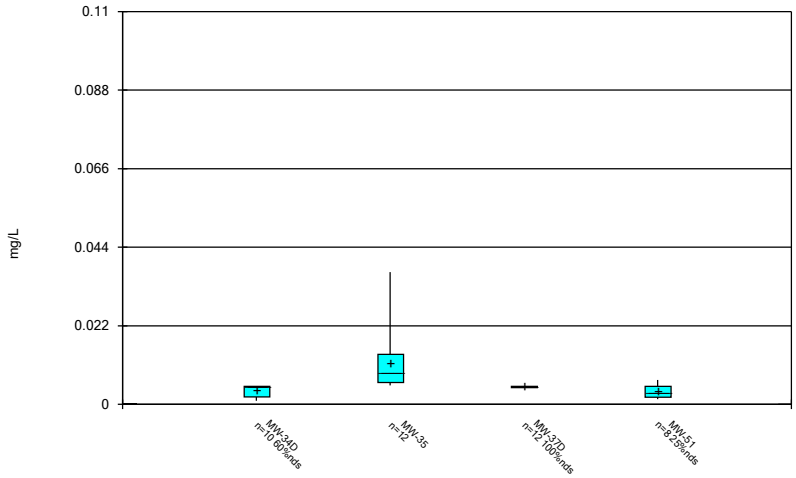
Box & Whiskers Plot



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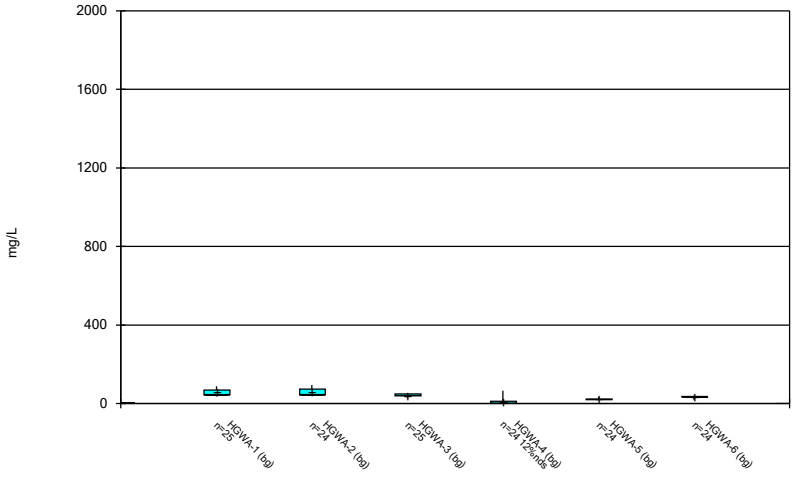
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Box & Whiskers Plot



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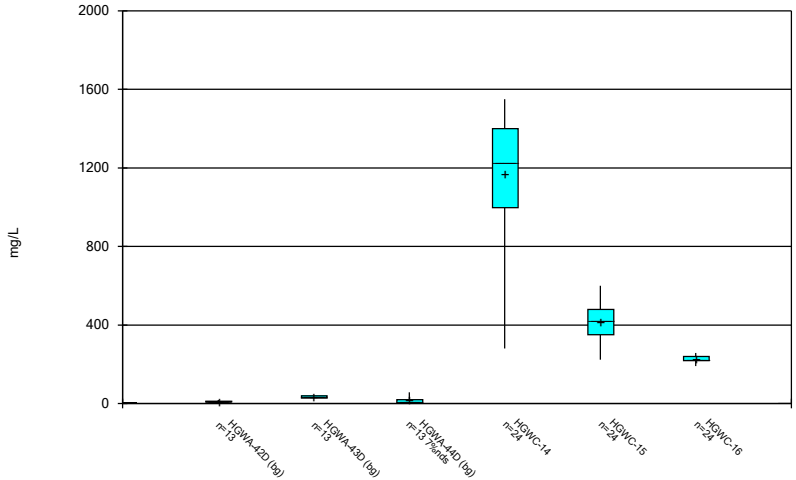
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Constituent: Sulfate Analysis Run 4/30/2025 7:32 PM View: Time Series & Box Plot
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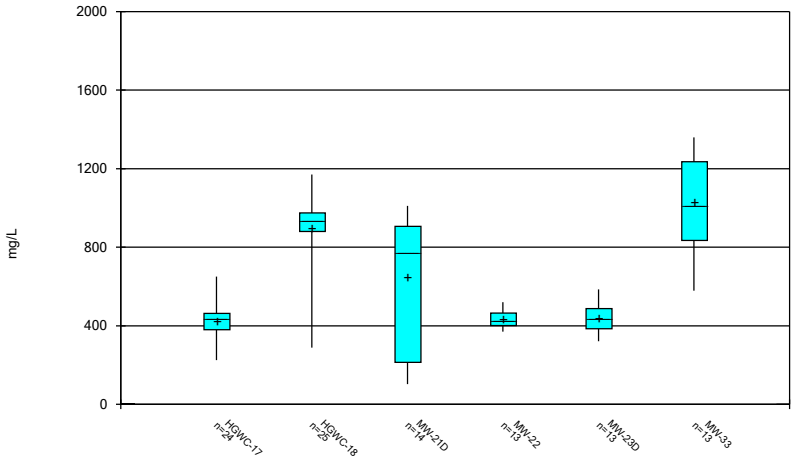
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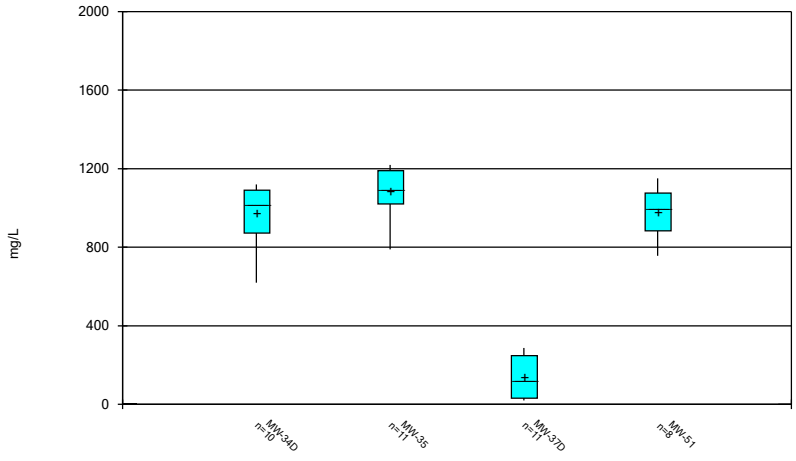
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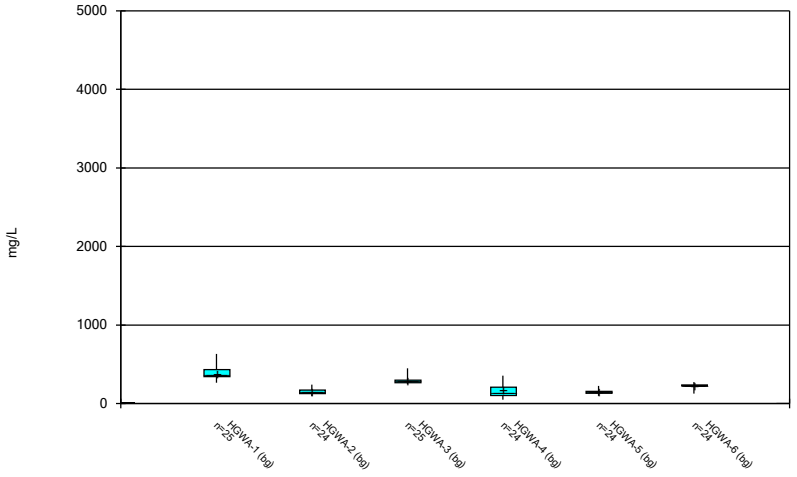
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Box & Whiskers Plot



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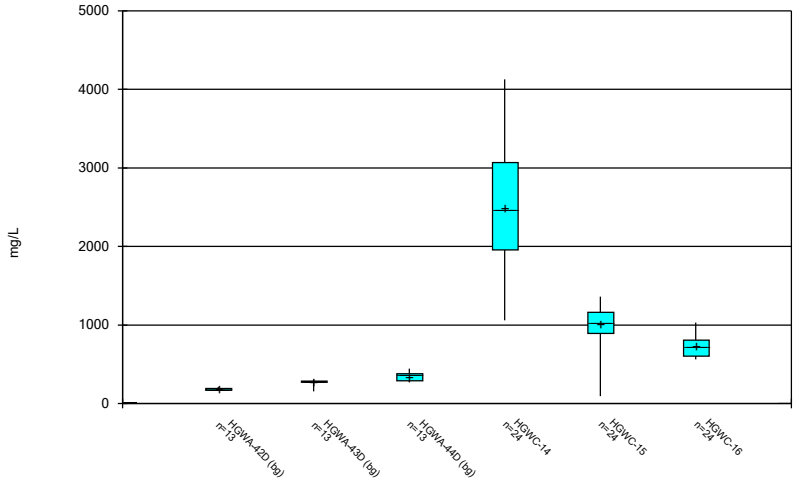
Box & Whiskers Plot



Constituent: TDS Analysis Run 4/30/2025 7:32 PM View: Time Series & Box Plot
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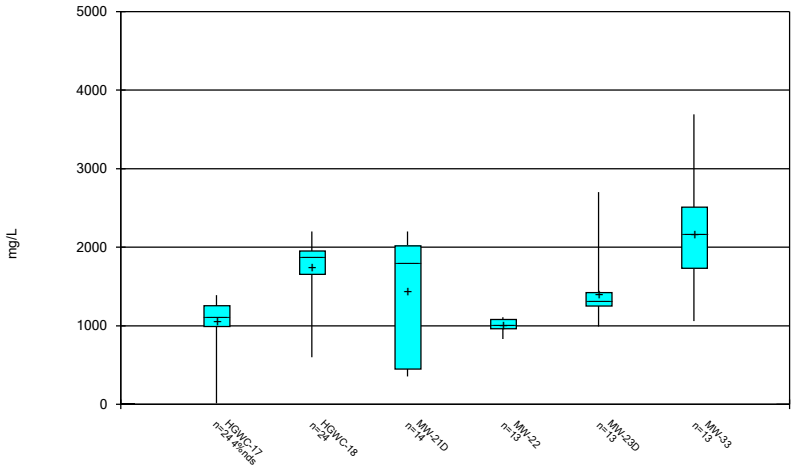
Box & Whiskers Plot



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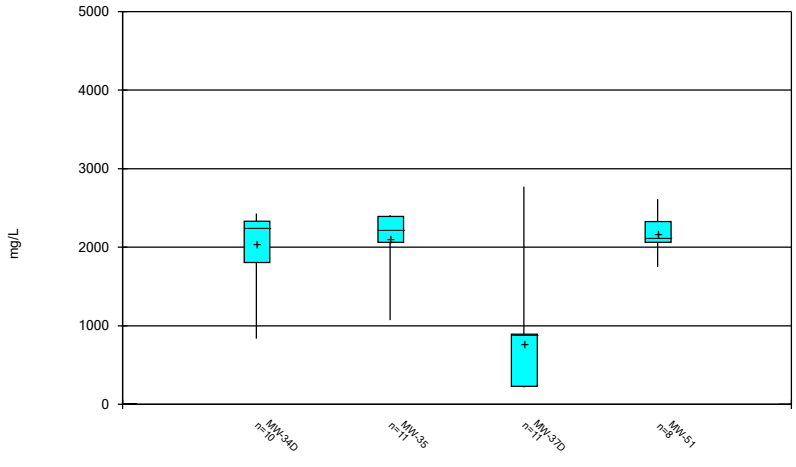
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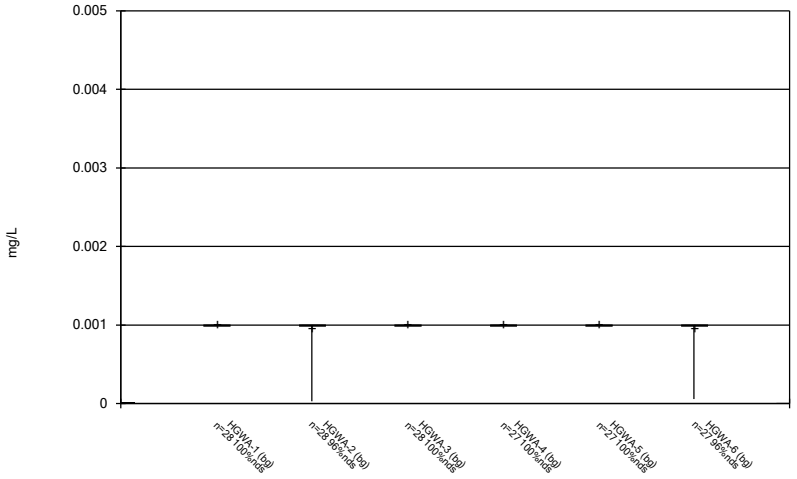
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Box & Whiskers Plot



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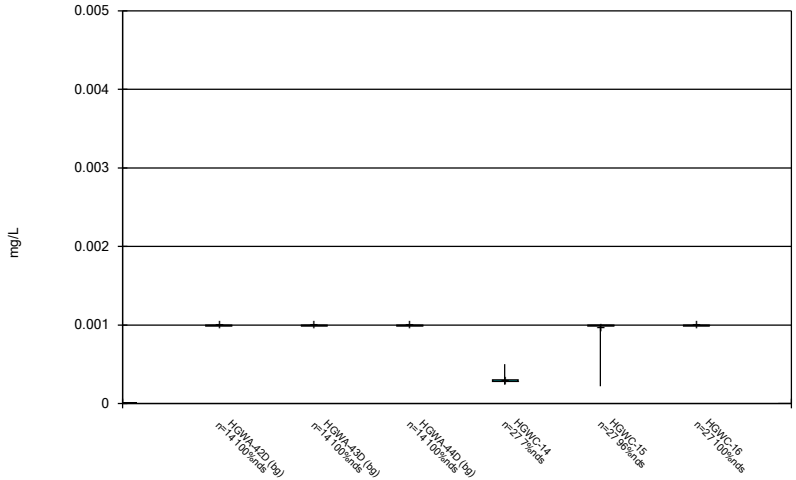
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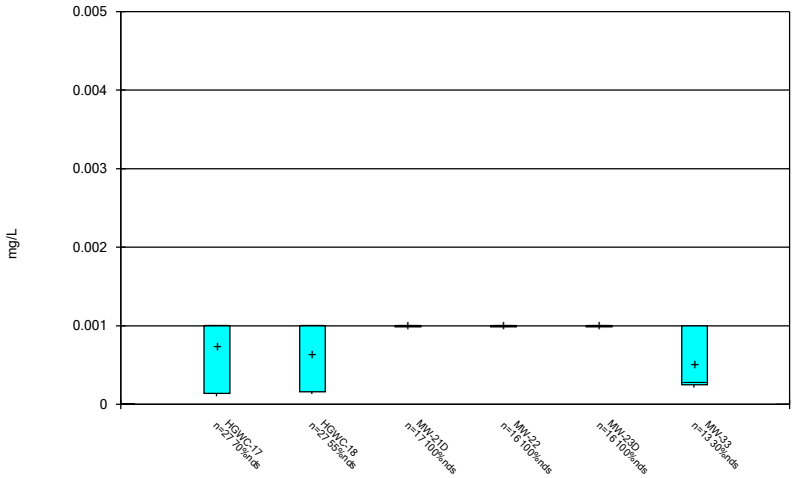
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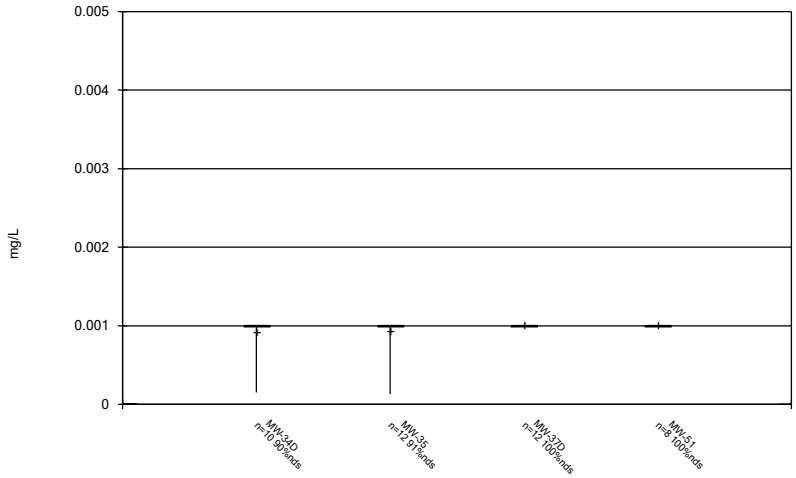
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Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Thallium Analysis Run 4/30/2025 7:32 PM View: Time Series & Box Plot
Plant Hammond Client: Southern Company Data: Hammond AP2

FIGURE C.

Outlier Summary

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 4/28/2025, 12:24 PM

	HGWA-6 Boron (mg/L)	HGWA-42D Boron (mg/L)	HGWA-6 Molybdenum (mg/L)	HGWA-42D Molybdenum (mg/L)
8/6/2024	1.6 (O)	1 (O)	0.14 (O)	0.2 (O)

FIGURE D.

Appendix III Interwell Prediction Limits - Significant Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 4/29/2025, 12:28 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	HGWC-14	0.55	n/a	2/18/2025	6.2	Yes	183	7.104	n/a	n/a	0.00005892	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-15	0.55	n/a	2/17/2025	1.6	Yes	183	7.104	n/a	n/a	0.00005892	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-16	0.55	n/a	2/17/2025	1.9	Yes	183	7.104	n/a	n/a	0.00005892	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-17	0.55	n/a	2/16/2025	5.3	Yes	183	7.104	n/a	n/a	0.00005892	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-18	0.55	n/a	2/18/2025	2.4	Yes	183	7.104	n/a	n/a	0.00005892	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-14	138	n/a	2/18/2025	341	Yes	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-15	138	n/a	2/17/2025	142	Yes	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-16	138	n/a	2/17/2025	158	Yes	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-17	138	n/a	2/16/2025	176	Yes	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-14	44.8	n/a	2/18/2025	92	Yes	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-15	44.8	n/a	2/17/2025	62.8	Yes	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-16	44.8	n/a	2/17/2025	87.8	Yes	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-17	44.8	n/a	2/16/2025	77.7	Yes	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-14	94.5	n/a	2/18/2025	790	Yes	185	2.162	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-15	94.5	n/a	2/17/2025	277	Yes	185	2.162	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-16	94.5	n/a	2/17/2025	200	Yes	185	2.162	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-17	94.5	n/a	2/16/2025	224	Yes	185	2.162	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-18	94.5	n/a	2/18/2025	289	Yes	185	2.162	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-14	632	n/a	2/18/2025	1600	Yes	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-15	632	n/a	2/17/2025	764	Yes	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-16	632	n/a	2/17/2025	768	Yes	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-17	632	n/a	2/16/2025	670	Yes	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

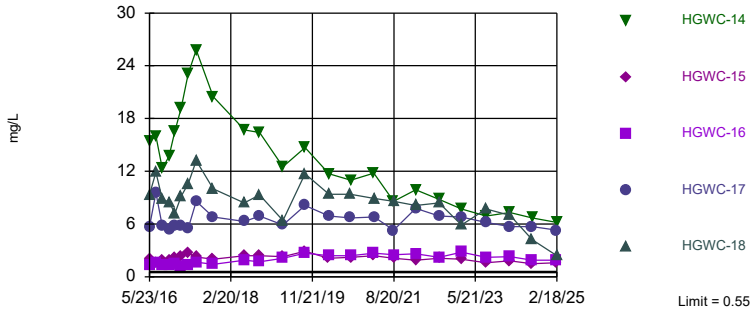
Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 4/29/2025, 12:28 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**HGWC-14**	**0.55**	**n/a**	**2/18/2025**	**6.2**	**Yes**	**183**	**7.104**	**n/a**	**n/a**	**0.00005892**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**HGWC-15**	**0.55**	**n/a**	**2/17/2025**	**1.6**	**Yes**	**183**	**7.104**	**n/a**	**n/a**	**0.00005892**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**HGWC-16**	**0.55**	**n/a**	**2/17/2025**	**1.9**	**Yes**	**183**	**7.104**	**n/a**	**n/a**	**0.00005892**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**HGWC-17**	**0.55**	**n/a**	**2/16/2025**	**5.3**	**Yes**	**183**	**7.104**	**n/a**	**n/a**	**0.00005892**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**HGWC-18**	**0.55**	**n/a**	**2/18/2025**	**2.4**	**Yes**	**183**	**7.104**	**n/a**	**n/a**	**0.00005892**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**HGWC-14**	**138**	**n/a**	**2/18/2025**	**341**	**Yes**	**185**	**0**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**HGWC-15**	**138**	**n/a**	**2/17/2025**	**142**	**Yes**	**185**	**0**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**HGWC-16**	**138**	**n/a**	**2/17/2025**	**158**	**Yes**	**185**	**0**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**HGWC-17**	**138**	**n/a**	**2/16/2025**	**176**	**Yes**	**185**	**0**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	HGWC-18	138	n/a	2/18/2025	109	No	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Chloride (mg/L)	**HGWC-14**	**44.8**	**n/a**	**2/18/2025**	**92**	**Yes**	**185**	**0**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**HGWC-15**	**44.8**	**n/a**	**2/17/2025**	**62.8**	**Yes**	**185**	**0**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**HGWC-16**	**44.8**	**n/a**	**2/17/2025**	**87.8**	**Yes**	**185**	**0**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**HGWC-17**	**44.8**	**n/a**	**2/16/2025**	**77.7**	**Yes**	**185**	**0**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	HGWC-18	44.8	n/a	2/18/2025	44.7	No	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-14	1.5	n/a	2/18/2025	0.055J	No	215	27.91	n/a	n/a	0.0000492	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-15	1.5	n/a	2/17/2025	0.052J	No	215	27.91	n/a	n/a	0.0000492	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-16	1.5	n/a	2/17/2025	0.1ND	No	215	27.91	n/a	n/a	0.0000492	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-17	1.5	n/a	2/16/2025	0.05J	No	215	27.91	n/a	n/a	0.0000492	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-18	1.5	n/a	2/18/2025	0.067J	No	215	27.91	n/a	n/a	0.0000492	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-14	8.49	4.57	2/18/2025	4.81	No	220	0	n/a	n/a	0.0000984	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-15	8.49	4.57	2/17/2025	6.53	No	220	0	n/a	n/a	0.0000984	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-16	8.49	4.57	2/17/2025	7.36	No	220	0	n/a	n/a	0.0000984	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-17	8.49	4.57	2/16/2025	6.47	No	220	0	n/a	n/a	0.0000984	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-18	8.49	4.57	2/18/2025	5	No	220	0	n/a	n/a	0.0000984	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**HGWC-14**	**94.5**	**n/a**	**2/18/2025**	**790**	**Yes**	**185**	**2.162**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**HGWC-15**	**94.5**	**n/a**	**2/17/2025**	**277**	**Yes**	**185**	**2.162**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**HGWC-16**	**94.5**	**n/a**	**2/17/2025**	**200**	**Yes**	**185**	**2.162**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**HGWC-17**	**94.5**	**n/a**	**2/16/2025**	**224**	**Yes**	**185**	**2.162**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**HGWC-18**	**94.5**	**n/a**	**2/18/2025**	**289**	**Yes**	**185**	**2.162**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**HGWC-14**	**632**	**n/a**	**2/18/2025**	**1600**	**Yes**	**185**	**0**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**HGWC-15**	**632**	**n/a**	**2/17/2025**	**764**	**Yes**	**185**	**0**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**HGWC-16**	**632**	**n/a**	**2/17/2025**	**768**	**Yes**	**185**	**0**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**HGWC-17**	**632**	**n/a**	**2/16/2025**	**670**	**Yes**	**185**	**0**	**n/a**	**n/a**	**0.00005778**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	HGWC-18	632	n/a	2/18/2025	598	No	185	0	n/a	n/a	0.00005778	NP Inter (normality) 1 of 2

Exceeds Limit: HGWC-14, HGWC-15, HGWC-16, HGWC-17, HGWC-18

Prediction Limit

Interwell Non-parametric



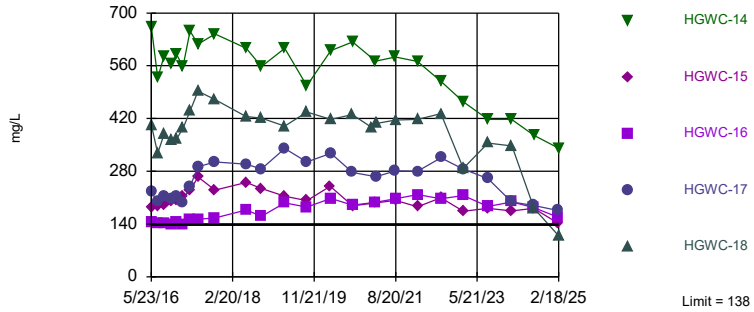
Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 183 background values. 7.104% NDs. Annual per-constituent alpha = 0.0005891. Individual comparison alpha = 0.00005892 (1 of 2). Comparing 5 points to limit.

Constituent: Boron Analysis Run 4/29/2025 12:25 PM View: Interwell PL
Plant Hammond Client: Southern Company Data: Hammond AP2

Exceeds Limit: HGWC-14, HGWC-15, HGWC-16, HGWC-17

Prediction Limit

Interwell Non-parametric



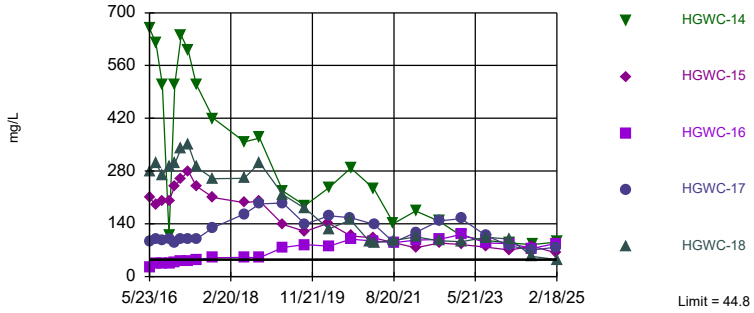
Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 185 background values. Annual per-constituent alpha = 0.0005776. Individual comparison alpha = 0.00005778 (1 of 2). Comparing 5 points to limit.

Constituent: Calcium Analysis Run 4/29/2025 12:25 PM View: Interwell PL
Plant Hammond Client: Southern Company Data: Hammond AP2

Exceeds Limit: HGWC-14, HGWC-15, HGWC-16, HGWC-17

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 185 background values. Annual per-constituent alpha = 0.0005776. Individual comparison alpha = 0.00005778 (1 of 2). Comparing 5 points to limit.

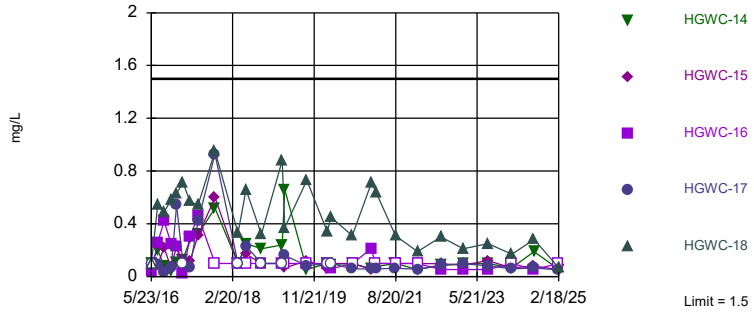
Constituent: Chloride Analysis Run 4/29/2025 12:25 PM View: Interwell PL
Plant Hammond Client: Southern Company Data: Hammond AP2

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



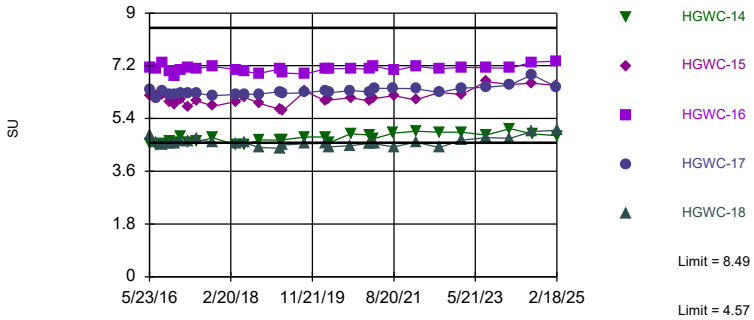
Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 215 background values. 27.91% NDs. Annual per-constituent alpha = 0.0004919. Individual comparison alpha = 0.0000492 (1 of 2). Comparing 5 points to limit.

Constituent: Fluoride Analysis Run 4/29/2025 12:25 PM View: Interwell PL
Plant Hammond Client: Southern Company Data: Hammond AP2

Within Limits

Prediction Limit

Interwell Non-parametric



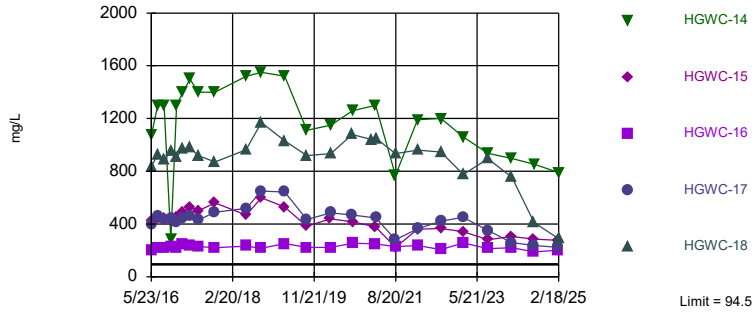
Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 220 background values. Annual per-constituent alpha = 0.0009838. Individual comparison alpha = 0.0000984 (1 of 2). Comparing 5 points to limit.

Constituent: pH, Field Analysis Run 4/29/2025 12:25 PM View: Interwell PL
Plant Hammond Client: Southern Company Data: Hammond AP2

Exceeds Limit: HGWC-14, HGWC-15, HGWC-16, HGWC-17, HGWC-18

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 185 background values. 2.162% NDs. Annual per-constituent alpha = 0.0005776. Individual comparison alpha = 0.00005778 (1 of 2). Comparing 5 points to limit.

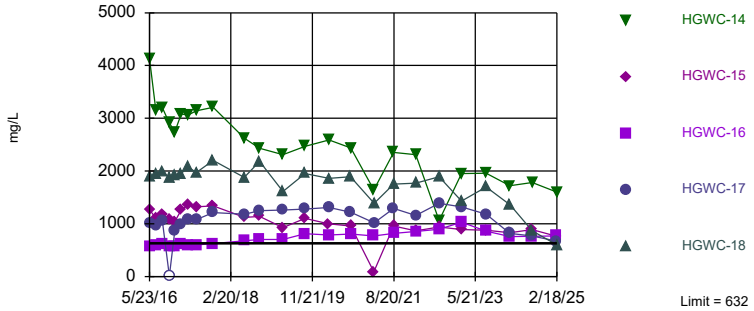
Constituent: Sulfate Analysis Run 4/29/2025 12:25 PM View: Interwell PL
Plant Hammond Client: Southern Company Data: Hammond AP2

Hollow symbols indicate censored values.

Exceeds Limit: HGWC-14, HGWC-15, HGWC-16, HGWC-17

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 185 background values. Annual per-constituent alpha = 0.0005776. Individual comparison alpha = 0.00005778 (1 of 2). Comparing 5 points to limit.

Constituent: TDS Analysis Run 4/29/2025 12:25 PM View: Interwell PL
Plant Hammond Client: Southern Company Data: Hammond AP2

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-4 (bg)	HGWA-5 (bg)	HGWA-3 (bg)	HGWA-2 (bg)	HGWA-6 (bg)	HGWC-15	HGWC-17	HGWC-14
5/19/2016	0.0214 (J)	<0.04	<0.04	<0.04	0.0321 (J)				
5/20/2016						0.0363 (J)			
5/23/2016							2.02	5.7	15.4
5/24/2016									
7/11/2016	0.0142 (J)	0.0175 (J)	0.0052 (J)		0.0337 (J)	0.0179 (J)			
7/12/2016				0.0074 (J)			1.65	9.58	16
8/30/2016	0.0074 (J)	0.0072 (J)	0.0068 (J)	<0.04	0.0173 (J)	0.014 (J)			
9/1/2016							1.93	5.76	12.3
10/19/2016	0.0224 (J)	0.018 (J)		0.0085 (J)	0.0341 (J)				
10/20/2016			0.0135 (J)			0.0197 (J)			
10/24/2016							1.93		13.7
10/25/2016								5.38	
12/6/2016	0.0211 (J)	0.0158 (J)		0.0085 (J)	0.0326 (J)				
12/7/2016							2.23	5.74	16.5
12/8/2016			0.0083 (J)			0.0159 (J)			
1/24/2017	0.0165 (J)	0.0145 (J)	0.0072 (J)	0.01 (J)	0.0365 (J)	<0.04			
1/26/2017							2.31	5.78	19.2
3/21/2017	0.0187 (J)	0.0101 (J)	<0.04	0.0079 (J)	0.0349 (J)	0.0166 (J)			
3/22/2017								5.52	
3/23/2017							2.72		23.1
5/22/2017	0.0782			0.0131 (J)	0.0475				
5/23/2017		0.0159 (J)	0.0095 (J)			0.0167 (J)			
5/24/2017							2.26		25.8
5/25/2017								8.58	
10/3/2017	0.0198 (J)	0.0162 (J)	0.0071 (J)	0.0097 (J)	0.0386 (J)	0.017 (J)			
10/4/2017							2	6.8	20.5
6/4/2018	0.02 (J)	0.014 (J)		0.017 (J)	0.036 (J)				
6/5/2018			0.0066 (J)			0.016 (J)			
6/6/2018							2.4	6.3	16.7
10/1/2018	0.013 (J)	0.0093 (J)		0.0061 (J)	0.035 (J)				
10/2/2018			0.0081 (J)			0.014 (J)			
10/3/2018							2.4	6.9	16.4
4/1/2019				0.0066 (J)					
4/2/2019	0.016 (J)	0.01 (J)	0.0052 (J)		0.034 (J)	0.013 (J)			
4/4/2019							2.3		
4/5/2019								5.9	12.5
9/23/2019	0.021 (J)			0.0081 (J)	0.04 (J)				
9/24/2019		0.013 (J)	0.0088 (J)			0.016 (J)	2.9		14.7
9/25/2019								8.1	
3/25/2020	0.025 (J)			0.0096 (J)	0.039 (J)	0.021 (J)			
3/26/2020		0.012 (J)	0.0072 (J)				2.1		
3/30/2020									11.7
3/31/2020								6.9	
6/16/2020	0.021 (J)			0.01 (J)					
9/15/2020	0.017 (J)	0.013 (J)	0.012 (J)	0.0071 (J)	0.044 (J)	0.016 (J)			
9/16/2020								6.7	
9/17/2020							2.2		
9/18/2020									11
11/10/2020									
11/11/2020									
12/15/2020									
1/19/2021									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-4 (bg)	HGWA-5 (bg)	HGWA-3 (bg)	HGWA-2 (bg)	HGWA-6 (bg)	HGWC-15	HGWC-17	HGWC-14
1/20/2021									
3/10/2021	0.015 (J)	0.012 (J)							
3/11/2021			0.0075 (J)	0.015 (J)	0.056	0.018 (J)			
3/16/2021							2.4		
3/17/2021									11.8
3/18/2021								6.8	
8/11/2021	0.02 (J)								
8/12/2021		0.014 (J)	0.0092 (J)	<0.04	0.044	0.014 (J)			
8/13/2021									
8/18/2021								5.3	8.6
8/19/2021							2.1		
2/1/2022	0.016 (J)			0.011 (J)	0.056				
2/7/2022		0.017 (J)	<0.04			0.019 (J)			
2/8/2022							1.9	7.8	
2/9/2022									9.9
8/2/2022	0.012 (J)	0.02 (J)		<0.04	0.047				
8/9/2022									
8/10/2022			0.011 (J)			0.015 (J)		6.9	
8/11/2022							2.1		8.8
1/23/2023		0.023 (J)		0.012 (J)					
1/24/2023	0.015 (J)				0.046				
1/27/2023			<0.04			0.013 (J)			
1/30/2023								6.8	
2/1/2023							2		7.7
8/8/2023	0.023 (J)	0.029 (J)	0.025 (J)	0.011 (J)	0.06	0.017 (J)			
8/13/2023							1.6	6.2	6.9
2/13/2024	0.02 (J)	0.023 (J)	<0.04	<0.04	0.051	0.015 (J)			
2/17/2024							1.8	5.7	7.3
2/18/2024									
8/5/2024	0.02 (J)			<0.04	0.057				
8/6/2024		0.015 (J)	0.024 (J)			1.6 (O)			
8/8/2024							1.5	5.7	
8/9/2024									
8/10/2024									6.7
2/12/2025	0.021 (J)	0.023 (J)		0.011 (J)					
2/14/2025			0.015 (J)		0.053	0.02 (J)			
2/16/2025								5.3	
2/17/2025							1.6		
2/18/2025									6.2

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-16	HGWC-18	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-42D (bg)
5/19/2016					
5/20/2016					
5/23/2016	1.36				
5/24/2016		9.33			
7/11/2016					
7/12/2016	1.62	11.9			
8/30/2016					
9/1/2016	1.31	8.8			
10/19/2016					
10/20/2016					
10/24/2016					
10/25/2016	1.27	8.5			
12/6/2016					
12/7/2016	1.42				
12/8/2016		7.15			
1/24/2017					
1/26/2017	1.19	9.17			
3/21/2017					
3/22/2017	1.32				
3/23/2017		10.6			
5/22/2017					
5/23/2017					
5/24/2017	1.67				
5/25/2017		13.2			
10/3/2017					
10/4/2017	1.43	10			
6/4/2018					
6/5/2018		8.4			
6/6/2018	1.9				
10/1/2018					
10/2/2018					
10/3/2018	1.7	9.3			
4/1/2019					
4/2/2019					
4/4/2019	2.1				
4/5/2019		6.4			
9/23/2019					
9/24/2019					
9/25/2019	2.7	11.7			
3/25/2020					
3/26/2020					
3/30/2020	2.4				
3/31/2020		9.4			
6/16/2020					
9/15/2020		9.4			
9/16/2020			0.23	0.061 (J)	
9/17/2020	2.4				0.098 (J)
9/18/2020					
11/10/2020			0.29	0.057 (J)	
11/11/2020					0.058 (J)
12/15/2020			0.31	0.052 (J)	0.043 (J)
1/19/2021			0.4	0.049 (J)	

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-16	HGWC-18	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-42D (bg)
1/20/2021					0.045 (J)
3/10/2021			0.39		0.048
3/11/2021				0.06	
3/16/2021					
3/17/2021	2.7				
3/18/2021		8.9			
8/11/2021				0.042	
8/12/2021					0.044
8/13/2021			0.31		
8/18/2021					
8/19/2021	2.5	8.6			
2/1/2022			0.44	0.05	
2/7/2022					0.047
2/8/2022	2.6	8.1			
2/9/2022					
8/2/2022			0.31	0.043	
8/9/2022					0.055
8/10/2022	2.2	8.4			
8/11/2022					
1/23/2023					0.052
1/24/2023			0.44	0.037 (J)	
1/27/2023					
1/30/2023					
2/1/2023	2.8	5.9			
8/8/2023			0.55	0.038 (J)	0.048
8/13/2023	2.2	7.7			
2/13/2024			0.49	0.037 (J)	0.045
2/17/2024					
2/18/2024	2.3	7			
8/5/2024					
8/6/2024			0.52	0.043	1 (O)
8/8/2024					
8/9/2024	1.9	4.2			
8/10/2024					
2/12/2025			0.54	0.04 (J)	
2/14/2025					0.059
2/16/2025					
2/17/2025	1.9				
2/18/2025		2.4			

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-4 (bg)	HGWA-2 (bg)	HGWA-5 (bg)	HGWA-3 (bg)	HGWA-6 (bg)	HGWC-17	HGWC-16	HGWC-14
5/19/2016	138	48.4	22.9	35.5	76.2				
5/20/2016						56.1			
5/23/2016							225	146	664
5/24/2016									
7/11/2016	97.2	73	22.3	35.4		49.3			
7/12/2016					61.5		199	142	528
8/30/2016	97.5	85.7	26.4	28	65.1	53.9			
9/1/2016							213	141	586
10/19/2016	99.2	89.7	21.7		73.2				
10/20/2016				26.7		50.7			
10/24/2016									564
10/25/2016							206	138	
12/6/2016	105	80	18.2		74.9				
12/7/2016							212	146	590
12/8/2016				23.5		49.2			
1/24/2017	95.7	30.8	18.5	24.5	69.6	48.3			
1/26/2017							198	139	558
3/21/2017	106	34	18.6	30.8	75.7	51.3			
3/22/2017							239	150	
3/23/2017									652
5/22/2017	107		17.8		71.5				
5/23/2017		43		24.2		49.1			
5/24/2017								153	617
5/25/2017							292		
10/3/2017	102	46.9	20.2	29	76.3	55.1			
10/4/2017							305	156	644
6/4/2018	124	81.9	19.1		73.4				
6/5/2018				27.8		54.5			
6/6/2018							299	177	606
10/1/2018	108	22 (J)	20.5 (J)		80.9				
10/2/2018				28.9		54.7			
10/3/2018							286	160	558
4/1/2019					80.5				
4/2/2019	132	76	22.5 (J)	26.3		49.7			
4/4/2019								196	
4/5/2019							340		606
9/23/2019	118		19.5		71				
9/24/2019		36.6		29.3		52.5			507
9/25/2019							305	185	
3/25/2020	127		23		89.8	58.1			
3/26/2020		14.9		27.8					
3/30/2020								208	600
3/31/2020							328		
6/16/2020	130				85.1				
9/15/2020	103	20.4	21.1	27.9	73.1	49.9			
9/16/2020							277		
9/17/2020								190	
9/18/2020									623
11/10/2020									
11/11/2020									
12/15/2020									
1/19/2021									

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-4 (bg)	HGWA-2 (bg)	HGWA-5 (bg)	HGWA-3 (bg)	HGWA-6 (bg)	HGWC-17	HGWC-16	HGWC-14
1/20/2021									
2/10/2021									
3/10/2021	111	5.9							
3/11/2021			43.8	28.3	83.8	53.1			
3/16/2021									
3/17/2021								198	572
3/18/2021							266		
8/11/2021	113								
8/12/2021		5.4	21.9	32	84	54.7			
8/13/2021									
8/18/2021							281		583
8/19/2021								207	
2/1/2022	106		27.2		85.1				
2/7/2022		5.9		30		53.4			
2/8/2022							280	218	
2/9/2022									571
8/2/2022	117	6	31.2		84.6				
8/9/2022									
8/10/2022				27.4		55.7	316	207	
8/11/2022									519
1/23/2023		24			85				
1/24/2023	117		29.4						
1/27/2023				28.5		55.4			
1/30/2023							286		
2/1/2023								216	464
8/8/2023	118	35.7	30.7	54.4	78.3	27.9			
8/13/2023							261	187	418
2/13/2024	116	31.1	38.8	20.6	83.6	55.4			
2/17/2024							199		418
2/18/2024								199	
8/5/2024	113		34.7		83.3				
8/6/2024		32.6		27		57.2			
8/8/2024							189		
8/9/2024								183	
8/10/2024									375
2/12/2025	125	21.5			86.6				
2/14/2025			51.5	24.4		52.1			
2/16/2025							176		
2/17/2025								158	
2/18/2025									341

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-18	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-42D (bg)
5/19/2016					
5/20/2016					
5/23/2016	184				
5/24/2016		403			
7/11/2016					
7/12/2016	186	328			
8/30/2016					
9/1/2016	189	379			
10/19/2016					
10/20/2016					
10/24/2016	200				
10/25/2016		362			
12/6/2016					
12/7/2016	203				
12/8/2016		366			
1/24/2017					
1/26/2017	212	394			
3/21/2017					
3/22/2017					
3/23/2017	229	440			
5/22/2017					
5/23/2017					
5/24/2017	265				
5/25/2017		492			
10/3/2017					
10/4/2017	230	470			
6/4/2018					
6/5/2018		425			
6/6/2018	250				
10/1/2018					
10/2/2018					
10/3/2018	234	421			
4/1/2019					
4/2/2019					
4/4/2019	214				
4/5/2019		400			
9/23/2019					
9/24/2019	202				
9/25/2019		437			
3/25/2020					
3/26/2020	240				
3/30/2020					
3/31/2020		418			
6/16/2020					
9/15/2020		430			
9/16/2020			56	30	
9/17/2020	188				43.8
9/18/2020					
11/10/2020			63.3	33.6	
11/11/2020					44.4
12/15/2020			62.6	28.7	47.3
1/19/2021			60.1	33	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-18	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-42D (bg)
1/20/2021					41.8
2/10/2021		397			
3/10/2021				12.1 (D)	43.4
3/11/2021			59.6		
3/16/2021	196				
3/17/2021					
3/18/2021		407			
8/11/2021			61		
8/12/2021					43.6
8/13/2021				28.9	
8/18/2021					
8/19/2021	203	416			
2/1/2022			55.9	24.8	
2/7/2022					48.7
2/8/2022	186	418			
2/9/2022					
8/2/2022			54.1	20.9	
8/9/2022					44.1
8/10/2022		433			
8/11/2022	210				
1/23/2023					43.7
1/24/2023			56.6	13.2	
1/27/2023					
1/30/2023					
2/1/2023	174	288			
8/8/2023			52.8	8.1	40.7
8/13/2023	182	355			
2/13/2024			53.3	9.9	47.7
2/17/2024	175				
2/18/2024		347			
8/5/2024					
8/6/2024			57.2	7.1	44.8
8/8/2024	182				
8/9/2024		182			
8/10/2024					
2/12/2025			61.8	7.2	
2/14/2025					46.5
2/16/2025					
2/17/2025	142				
2/18/2025		109			

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-4 (bg)	HGWA-2 (bg)	HGWA-5 (bg)	HGWA-3 (bg)	HGWA-6 (bg)	HGWC-17	HGWC-16	HGWC-14
5/19/2016	9.94	4.56	6.14	1.57	5.93				
5/20/2016						1.35			
5/23/2016							94	25.8	659
5/24/2016									
7/11/2016	6.3	5	5.9	2		1.7			
7/12/2016					6.2		100	34	620
8/30/2016	6	4.9	6.2	2	6.4	1.6			
9/1/2016							95	34	510
10/19/2016	5.8	4.6	6.1		6.5				
10/20/2016				2.2		1.6			
10/24/2016									110
10/25/2016							98	35	
12/6/2016	5.4	4.5	6		7.2				
12/7/2016							89	38	510
12/8/2016				2		1.6			
1/24/2017	5.2	4.7	6.1	1.6	6.4	1.9			
1/26/2017							99	41	640
3/21/2017	4.6	4.3	5.9	2	7.5	1.3			
3/22/2017							100	41	
3/23/2017									600
5/22/2017	4.6		5.9		6.5				
5/23/2017		4.5		1.7		1.2			
5/24/2017								44	510
5/25/2017							99		
10/3/2017	5.6	4.8	6.3	1.7	6.5	2.1			
10/4/2017							130	50	420
6/4/2018	13.1	4.5	6.1		6.3				
6/5/2018				1.6		1.2			
6/6/2018							166	50.6	357
10/1/2018	6.6	3.8	6.4		6.4				
10/2/2018				2.4		1.7			
10/3/2018							193	49.9	368
4/1/2019					6.5				
4/2/2019	20.3	4.4	5.8	1.7		1.6			
4/4/2019								76.8	
4/5/2019							195		227
9/23/2019	17.7		5.1		5.9				
9/24/2019		3.6		1.7		1.3			188
9/25/2019							139	84.4	
3/25/2020	20.4		5.2		6.1	1.2			
3/26/2020		3.4		1.4					
3/30/2020								80.2	236
3/31/2020							161		
6/16/2020	41.1				5.8				
9/15/2020	13.4	3.3	5	1.7	6	1.2			
9/16/2020							156		
9/17/2020								99.3	
9/18/2020									288
11/10/2020									
11/11/2020									
12/15/2020									
1/19/2021									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-4 (bg)	HGWA-2 (bg)	HGWA-5 (bg)	HGWA-3 (bg)	HGWA-6 (bg)	HGWC-17	HGWC-16	HGWC-14
1/20/2021									
2/10/2021									
3/10/2021	7.4	2.9							
3/11/2021			5.1	1.4	5.9	1.2			
3/16/2021									
3/17/2021								93.8	233
3/18/2021							138		
8/11/2021	9.6								
8/12/2021		2.4	5.2	1.4	4.8	0.94 (J)			
8/13/2021									
8/18/2021							90.7		141
8/19/2021								90.1	
2/1/2022	7.5		7		5.7				
2/7/2022		2.4		1.4		1.1			
2/8/2022							117	96.4	
2/9/2022									174
8/2/2022	14.1	2.9	7.8		5.9				
8/9/2022									
8/10/2022				2.1		1.3	148	98.3	
8/11/2022									147
1/23/2023		1.6			5.6				
1/24/2023	9		7.1						
1/27/2023				1.6		1.4			
1/30/2023							154		
2/1/2023								112	108
8/8/2023	26	2.6	6.6	1.3	5.3	2.1			
8/13/2023							109	89.1	95.8
2/13/2024	10	1.4	6.3	1.8	5.3	1.4			
2/17/2024							81.7		88.9
2/18/2024								87.5	
8/5/2024	8.7		7.9		5.2				
8/6/2024		2.3		2.1		1.3			
8/8/2024							70.2		
8/9/2024								74.8	
8/10/2024									84.9
2/12/2025	4.8	1.4			5				
2/14/2025			8.5	1.4		0.98 (J)			
2/16/2025							77.7		
2/17/2025								87.8	
2/18/2025									92

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-18	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-42D (bg)
5/19/2016					
5/20/2016					
5/23/2016	209				
5/24/2016		280			
7/11/2016					
7/12/2016	190	300			
8/30/2016					
9/1/2016	200	270			
10/19/2016					
10/20/2016					
10/24/2016	200				
10/25/2016		290			
12/6/2016					
12/7/2016	240				
12/8/2016		300			
1/24/2017					
1/26/2017	260	340			
3/21/2017					
3/22/2017					
3/23/2017	280	350			
5/22/2017					
5/23/2017					
5/24/2017	240				
5/25/2017		290			
10/3/2017					
10/4/2017	210	260			
6/4/2018					
6/5/2018		261			
6/6/2018	196				
10/1/2018					
10/2/2018					
10/3/2018	200	302			
4/1/2019					
4/2/2019					
4/4/2019	138				
4/5/2019		217			
9/23/2019					
9/24/2019	120				
9/25/2019		181			
3/25/2020					
3/26/2020	142				
3/30/2020					
3/31/2020		126			
6/16/2020					
9/15/2020		150			
9/16/2020			4.1	5.65 (D)	
9/17/2020	108				5.8
9/18/2020					
11/10/2020			4.4	7.8	
11/11/2020					3.1
12/15/2020			4.7	9.4	3.2
1/19/2021			4.1	9.5	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-18	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-42D (bg)
1/20/2021					2.8
2/10/2021		93.4			
3/10/2021				12.3	3
3/11/2021			4.5		
3/16/2021	103				
3/17/2021					
3/18/2021		90.2			
8/11/2021			3.5		
8/12/2021					2.6
8/13/2021				39.9	
8/18/2021					
8/19/2021	89.9	95.8			
2/1/2022			4.1	44.8	
2/7/2022					3.1
2/8/2022	76.6	105			
2/9/2022					
8/2/2022			4.3	19.8	
8/9/2022					3.7
8/10/2022		95.2			
8/11/2022	89.2				
1/23/2023					3.3
1/24/2023			4.3	24.9	
1/27/2023					
1/30/2023					
2/1/2023	85	92.7			
8/8/2023			3.5	27	3.2
8/13/2023	78.2	104			
2/13/2024			3.9	27.7	4.1
2/17/2024	70.2				
2/18/2024		99			
8/5/2024					
8/6/2024			4	30.2	3.3
8/8/2024	80.2				
8/9/2024		53.7			
8/10/2024					
2/12/2025			3.8	30.7	
2/14/2025					3.1
2/16/2025					
2/17/2025	62.8				
2/18/2025		44.7			

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-5 (bg)	HGWA-4 (bg)	HGWA-3 (bg)	HGWA-2 (bg)	HGWA-6 (bg)	HGWC-15	HGWC-16	HGWC-17
5/19/2016	0.105 (J)	0.08 (J)	0.036 (J)	0.0513 (J)	0.0303 (J)				
5/20/2016						0.065 (J)			
5/23/2016							<0.1	0.038 (J)	<0.1
5/24/2016									
7/11/2016	0.16 (J)	0.09 (J)	0.09 (J)		0.05 (J)	0.13 (J)			
7/12/2016				0.12 (J)			0.09 (J)	0.26 (J)	0.09 (J)
8/30/2016	0.09 (J)	0.08 (J)	0.06 (J)	0.09 (J)	0.06 (J)	0.07 (J)			
9/1/2016							0.22 (J)	0.42	0.03 (J)
10/19/2016	0.1 (J)		0.07 (J)	0.1 (J)	0.04 (J)				
10/20/2016		0.1 (J)				0.06 (J)			
10/24/2016							0.07 (J)		
10/25/2016								0.25 (J)	0.07 (J)
12/6/2016	0.11 (J)		0.07 (J)	0.21 (J)	0.36				
12/7/2016							0.23 (J)	0.23 (J)	0.54
12/8/2016		0.08 (J)				0.06 (J)			
1/24/2017	0.09 (J)	0.09 (J)	<0.1	0.06 (J)	<0.1	0.02 (J)			
1/26/2017							<0.1	0.02 (J)	<0.1
3/21/2017	0.13 (J)	0.04 (J)	<0.1	0.005 (J)	<0.1	0.08 (J)			
3/22/2017								0.3	0.07 (J)
3/23/2017							0.12 (J)		
5/22/2017	0.12 (J)			0.05 (J)	<0.1				
5/23/2017		0.04 (J)	0.01 (J)			0.006 (J)			
5/24/2017							0.31	0.46	
5/25/2017									0.42
10/3/2017	0.13 (J)	0.06 (J)	<0.1	0.13 (J)	<0.1	<0.1			
10/4/2017							0.6	<0.1	0.93
4/2/2018	<0.1		<0.1		<0.1				
4/3/2018		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
4/4/2018									
6/4/2018	0.074 (J)		0.097 (J)	<0.1	<0.1				
6/5/2018		0.083 (J)				0.055 (J)			
6/6/2018							0.17 (J)	<0.1	0.23 (J)
10/1/2018	<0.1		<0.1	<0.1	<0.1				
10/2/2018		<0.1				0.076 (J)			
10/3/2018							<0.1	<0.1	<0.1
3/11/2019			0.035 (J)						
3/12/2019	0.29 (J)	0.079 (J)		0.072 (J)	0.038 (J)	0.061 (J)			
3/14/2019							<0.1		
3/15/2019								<0.1	<0.1
4/1/2019				0.029 (J)					
4/2/2019	0.1 (J)	0.12 (J)	<0.1		0.071 (J)	<0.1			
4/4/2019							0.066 (J)	<0.1	
4/5/2019									0.16 (J)
9/23/2019	0.078 (J)			<0.1	<0.1				
9/24/2019		0.058 (J)	<0.1			<0.1	0.12 (J)		
9/25/2019								<0.1	0.081 (J)
3/2/2020	0.076 (J)	0.053 (J)	<0.1	<0.1	<0.1	<0.1			
3/3/2020							0.064 (J)	<0.1	<0.1
3/25/2020	0.098 (J)			<0.1	<0.1	<0.1			
3/26/2020		0.066 (J)	<0.1				<0.1		
3/30/2020								0.059 (J)	
3/31/2020									<0.1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-5 (bg)	HGWA-4 (bg)	HGWA-3 (bg)	HGWA-2 (bg)	HGWA-6 (bg)	HGWC-15	HGWC-16	HGWC-17
6/16/2020	0.071 (J)			<0.1					
8/25/2020				<0.1	<0.1				
8/28/2020	0.08 (J)								
9/15/2020	0.082 (J)	0.061 (J)	<0.1	<0.1	<0.1	<0.1			
9/16/2020									0.058 (J)
9/17/2020							<0.1	<0.1	
9/18/2020									
11/10/2020									
11/11/2020									
12/15/2020									
1/19/2021									
1/20/2021									
2/8/2021	0.078 (J)		<0.1						
2/9/2021		0.053 (J)		0.074 (J)	<0.1	<0.1			
2/10/2021								0.21	
2/11/2021									0.058 (J)
2/12/2021							0.053 (J)		
3/10/2021	0.079 (J)		<0.1						
3/11/2021		0.06 (J)		<0.1	0.1	0.17			
3/16/2021							<0.1		
3/17/2021								<0.1	
3/18/2021									0.057 (J)
8/11/2021	0.058 (J)								
8/12/2021		<0.1	<0.1	<0.1	<0.1	<0.1			
8/13/2021									
8/18/2021									0.062 (J)
8/19/2021							<0.1	<0.1	
2/1/2022	0.064 (J)			<0.1	<0.1				
2/7/2022		<0.1	<0.1			<0.1			
2/8/2022							<0.1	<0.1	0.055 (J)
2/9/2022									
8/2/2022	0.09 (J)		0.076 (J)	0.067 (J)	0.053 (J)				
8/9/2022									
8/10/2022		0.078 (J)				0.067 (J)		0.054 (J)	0.086 (J)
8/11/2022							0.097 (J)		
1/23/2023			0.12	0.061 (J)					
1/24/2023	0.089 (J)				0.053 (J)				
1/27/2023		0.088 (J)				0.067 (J)			
1/30/2023									0.097 (J)
2/1/2023							0.086 (J)	0.053 (J)	
8/8/2023	0.088 (J)	0.059 (J)	0.11	0.055 (J)	0.07 (J)	0.072 (J)			
8/13/2023							0.12	0.053 (J)	0.081 (J)
2/13/2024	0.071 (J)	0.059 (J)	0.13	<0.1	0.17	0.065 (J)			
2/17/2024							0.064 (J)		0.057 (J)
2/18/2024								<0.1	
8/5/2024	0.11			0.077 (J)	0.12				
8/6/2024		0.098 (J)	0.19			0.08 (J)			
8/8/2024							0.08 (J)		0.066 (J)
8/9/2024								0.052 (J)	
8/10/2024									
2/12/2025	0.1		0.16	0.073 (J)					
2/14/2025		<0.1			0.1	<0.1			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-5 (bg)	HGWA-4 (bg)	HGWA-3 (bg)	HGWA-2 (bg)	HGWA-6 (bg)	HGWC-15	HGWC-16	HGWC-17
2/16/2025									0.05 (J)
2/17/2025							0.052 (J)	<0.1	
2/18/2025									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-18	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-42D (bg)
5/19/2016					
5/20/2016					
5/23/2016	<0.1				
5/24/2016		<0.1			
7/11/2016					
7/12/2016	0.2 (J)	0.54			
8/30/2016					
9/1/2016	0.08 (J)	0.49			
10/19/2016					
10/20/2016					
10/24/2016	0.04 (J)				
10/25/2016		0.58			
12/6/2016					
12/7/2016	0.11 (J)				
12/8/2016		0.63			
1/24/2017					
1/26/2017	0.13 (J)	0.71			
3/21/2017					
3/22/2017					
3/23/2017	0.28 (J)	0.57			
5/22/2017					
5/23/2017					
5/24/2017	0.32				
5/25/2017		0.54			
10/3/2017					
10/4/2017	0.52	0.95			
4/2/2018					
4/3/2018		0.33			
4/4/2018	<0.1				
6/4/2018					
6/5/2018		0.66			
6/6/2018	0.25 (J)				
10/1/2018					
10/2/2018					
10/3/2018	0.21 (J)	0.32			
3/11/2019					
3/12/2019					
3/14/2019	0.24 (J)	0.88			
3/15/2019					
4/1/2019					
4/2/2019					
4/4/2019					
4/5/2019	0.66	0.37			
9/23/2019					
9/24/2019	0.053 (J)				
9/25/2019		0.73			
3/2/2020					
3/3/2020	<0.1	0.34			
3/25/2020					
3/26/2020					
3/30/2020	0.092 (J)				
3/31/2020		0.45			

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-18	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-42D (bg)
6/16/2020					
8/25/2020					
8/28/2020					
9/15/2020		0.31			
9/16/2020			0.22	0.37 (D)	
9/17/2020					0.2
9/18/2020	<0.1				
11/10/2020			0.19	0.59	
11/11/2020					0.1
12/15/2020			0.21	0.67	0.11
1/19/2021			0.16	0.74	
1/20/2021					0.082 (J)
2/8/2021					0.096 (J)
2/9/2021			0.19	0.44	
2/10/2021					
2/11/2021	0.059 (J)	0.71			
2/12/2021					
3/10/2021				0.65	0.11
3/11/2021			0.2		
3/16/2021					
3/17/2021	0.076 (J)				
3/18/2021		0.64			
8/11/2021			0.15		
8/12/2021					0.079 (J)
8/13/2021				0.87	
8/18/2021	<0.1				
8/19/2021		0.31			
2/1/2022			0.19	0.96	
2/7/2022					0.085 (J)
2/8/2022		0.19			
2/9/2022	0.053 (J)				
8/2/2022			0.22	0.8	
8/9/2022					0.12
8/10/2022		0.3			
8/11/2022	0.085 (J)				
1/23/2023					0.11
1/24/2023			0.23	1.3	
1/27/2023					
1/30/2023					
2/1/2023	0.094 (J)	0.21			
8/8/2023			0.18	1.3	0.1
8/13/2023	0.1	0.25			
2/13/2024			0.2	1.5	0.087 (J)
2/17/2024	0.065 (J)				
2/18/2024		0.17			
8/5/2024					
8/6/2024			0.21	1.3	0.12
8/8/2024					
8/9/2024		0.28			
8/10/2024	0.19				
2/12/2025			0.21	1.1	
2/14/2025					0.073 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-18	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-42D (bg)
2/16/2025					
2/17/2025					
2/18/2025	0.055 (J)	0.067 (J)			

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-5 (bg)	HGWA-4 (bg)	HGWA-3 (bg)	HGWA-2 (bg)	HGWA-6 (bg)	HGWC-15	HGWC-16	HGWC-17
5/19/2016	7.27	6.62	6.51	7.45	5.81				
5/20/2016						7.58			
5/23/2016							6.17	7.15	6.4
5/24/2016									
7/11/2016	7.06	6.54	6.65		5.68	7.32			
7/12/2016				7.32			6.17	7.1	6.09
8/30/2016	7.28	6.38	7.14	7.43	5.63	7.69			
9/1/2016							6.22	7.29	6.35
10/19/2016	7.02		7.08	7.03	5.46				
10/20/2016		6.52				7.43			
10/24/2016							5.97		
10/25/2016								7.03	6.23
12/6/2016	7.09		7	7.08	5.38				
12/7/2016							5.87	6.85	6.23
12/8/2016		6.5				7.56			
1/24/2017	7.2	6.59	6.16	7.39	5.37	7.52			
1/26/2017							6.05	7.07	6.24
3/21/2017	7.01	6.55	6.07	6.83	4.9	7.4			
3/22/2017								7.15	6.25
3/23/2017							5.79		
5/22/2017	7.11			7.02	5.2				
5/23/2017		6.5	6.28			7.53			
5/24/2017							6.01	7.11	
5/25/2017									6.27
10/3/2017	7.21	6.63	6.45	7.47	5.3	7.51			
10/4/2017							5.82	7.17	6.18
4/2/2018	7.1		6.23		5.4				
4/3/2018		6.59		7.38		7.53	5.98	7.07	6.22
4/4/2018									
6/4/2018	7.06		6.82	7.38	5.27				
6/5/2018		6.44				7.37			
6/6/2018							6.12	7	6.22
10/1/2018	7.09		5.73	7.13	5.31				
10/2/2018		6.35				7.36			
10/3/2018							5.92	6.94	6.23
3/11/2019			6.27						
3/12/2019	7.03	6.42		7.29	5.42	7.5			
3/14/2019							5.71		
3/15/2019								7.09	6.32
4/1/2019				7.16					
4/2/2019	6.86	6.38	6.66		5.41	7.46			
4/4/2019							5.66	6.95	
4/5/2019									6.26
9/23/2019	7.02			7.3	5.33				
9/24/2019		6.4	6.16			7.41	6.33		
9/25/2019								6.92	6.28
9/30/2019	7			7.37	5.35				
3/2/2020	7.1	6.8	5.63	7.12	5.43	7.67			
3/3/2020							6	7.1	6.35
3/25/2020	6.95			7.4	5.36	7.39			
3/26/2020		6.38	5.77				6.03		
3/30/2020								7.09	

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-5 (bg)	HGWA-4 (bg)	HGWA-3 (bg)	HGWA-2 (bg)	HGWA-6 (bg)	HGWC-15	HGWC-16	HGWC-17
3/31/2020									6.28
6/16/2020	6.97			7.31					
8/25/2020				7.14	5.15				
8/28/2020	7.02								
9/15/2020	7.15	6.33	5.75	7.29	5.22	7.37			
9/16/2020									6.35
9/17/2020							6.11	7.11	
9/18/2020									
11/10/2020									
11/11/2020									
12/15/2020									
1/19/2021									
1/20/2021									
2/8/2021	7.11		4.94						
2/9/2021		6.35		7.23	5.42	7.4			
2/10/2021								7.08	
2/11/2021									6.31
2/12/2021							5.99		
3/10/2021	6.95		5.28						
3/11/2021		6.48		7.33	5.8	7.56			
3/16/2021							6.08		
3/17/2021								7.19	
3/18/2021									6.43
8/11/2021	6.98								
8/12/2021		6.462679	5.26	7.31	5.05	7.47			
8/13/2021									
8/18/2021									6.43
8/19/2021							6.18	7.04	
2/1/2022	7.19			7.45	5.24				
2/7/2022		6.51	5.24			7.65			
2/8/2022							6.04	7.18	6.42
2/9/2022									
8/2/2022	7.03		4.86	7.02	4.57				
8/9/2022									
8/10/2022		6.22				7.53		7.09	6.29
8/11/2022							6.29		
1/23/2023			5.62	7.32					
1/24/2023	6.76				5.22				
1/27/2023		6.52				7.66			
1/30/2023									6.44
2/1/2023							6.22	7.15	
8/8/2023	7.05	6.5	6.03	7.42	5.01	7.6			
8/13/2023							6.66	7.13	6.46
2/13/2024	7.06	6.66	5.98	7.35	5.49	7.59			
2/17/2024							6.56		6.54
2/18/2024								7.12	
8/5/2024	7.29			7.27	4.91				
8/6/2024		6.4	6.14			7.56			
8/8/2024							6.6		6.9
8/9/2024								7.32	
8/10/2024									
2/12/2025	7.08		5.69	7.37					

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-5 (bg)	HGWA-4 (bg)	HGWA-3 (bg)	HGWA-2 (bg)	HGWA-6 (bg)	HGWC-15	HGWC-16	HGWC-17
2/14/2025		6.52	5.94	7.45	5.75	7.6			
2/16/2025									6.47
2/17/2025							6.53	7.36	
2/18/2025									

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-18	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-42D (bg)
5/19/2016					
5/20/2016					
5/23/2016	4.56				
5/24/2016		4.83			
7/11/2016					
7/12/2016	4.49	4.58			
8/30/2016					
9/1/2016	4.54	4.51			
10/19/2016					
10/20/2016					
10/24/2016	4.63				
10/25/2016		4.53			
12/6/2016					
12/7/2016	4.6				
12/8/2016		4.56			
1/24/2017					
1/26/2017	4.8	4.61			
3/21/2017					
3/22/2017					
3/23/2017	4.57	4.63			
5/22/2017					
5/23/2017					
5/24/2017	4.61				
5/25/2017		4.69			
10/3/2017					
10/4/2017	4.74	4.58			
4/2/2018					
4/3/2018		4.54			
4/4/2018	4.5				
6/4/2018					
6/5/2018		4.57			
6/6/2018	4.49				
10/1/2018					
10/2/2018					
10/3/2018	4.67	4.41			
3/11/2019					
3/12/2019					
3/14/2019	4.66	4.39			
3/15/2019					
4/1/2019					
4/2/2019					
4/4/2019					
4/5/2019	4.67	4.5			
9/23/2019					
9/24/2019	4.77				
9/25/2019		4.54			
9/30/2019					
3/2/2020					
3/3/2020	4.77	4.55			
3/25/2020					
3/26/2020					
3/30/2020	4.57				

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-18	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-42D (bg)
3/31/2020		4.43			
6/16/2020					
8/25/2020					
8/28/2020					
9/15/2020		4.47			
9/16/2020			7.83	7.52	
9/17/2020					7.62
9/18/2020	4.88				
11/10/2020			7.84	7.27	
11/11/2020					7.68
12/15/2020			7.87	7.39	7.64
1/19/2021			7.86	7.39	
1/20/2021					7.68
2/8/2021					7.64
2/9/2021			7.84	7.44	
2/10/2021		4.55			
2/11/2021	4.84	4.53			
2/12/2021					
3/10/2021			7.92		7.7
3/11/2021				7.46	
3/16/2021					
3/17/2021	4.72				
3/18/2021		4.54			
8/11/2021				7.4	
8/12/2021					7.7
8/13/2021			7.77		
8/18/2021	4.9				
8/19/2021		4.43			
2/1/2022			8.25	7.52	
2/7/2022					7.85
2/8/2022		4.59			
2/9/2022	4.97				
8/2/2022			7.9	7.15	
8/9/2022					7.58
8/10/2022		4.41			
8/11/2022	4.93				
1/23/2023					7.55
1/24/2023			8.22	7.56	
1/27/2023					
1/30/2023					
2/1/2023	4.93	4.66			
8/8/2023			8.2	7.39	7.72
8/13/2023	4.83	4.75			
2/13/2024			8.1	7.47	7.68
2/17/2024	5.05				
2/18/2024		4.73			
8/5/2024					
8/6/2024			8.36	7.46	7.64
8/8/2024					
8/9/2024		4.95			
8/10/2024	4.88				
2/12/2025			8.49	7.5	

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-18	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-42D (bg)
2/14/2025					7.79
2/16/2025					
2/17/2025					
2/18/2025	4.81	5			

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-4 (bg)	HGWA-2 (bg)	HGWA-5 (bg)	HGWA-3 (bg)	HGWA-6 (bg)	HGWC-17	HGWC-16	HGWC-14
5/19/2016	66.9	1.22	48.6	25	42.3				
5/20/2016						34.4			
5/23/2016							395	203	1070
5/24/2016									
7/11/2016	41	3.7	45	27		34			
7/12/2016					44		460	220	1300
8/30/2016	36	6.8	42	23	40	36			
9/1/2016							430	220	1300
10/19/2016	46	11	44		43				
10/20/2016				19		36			
10/24/2016									280
10/25/2016							440	230	
12/6/2016	59	13	44		43				
12/7/2016							410	220	1300
12/8/2016				20		36			
1/24/2017	46	5.7	46	20	48	37			
1/26/2017							440	250	1400
3/21/2017	63	1.7	46	23	45	37			
3/22/2017							460	240	
3/23/2017									1500
5/22/2017	77		48		46				
5/23/2017		1.5		21		38			
5/24/2017								230	1400
5/25/2017							430		
10/3/2017	42	1.3	47	21	48	38			
10/4/2017							490	220	1400
6/4/2018	71.8	4.9	47.8		46.6				
6/5/2018				22.9		38			
6/6/2018							520	233	1520
10/1/2018	49.1	0.59 (J)	48.1		48.6				
10/2/2018				20.3		38.5			
10/3/2018							651	215	1550
4/1/2019					50.4				
4/2/2019	84.3	4.9	48.7	23.8		35.5			
4/4/2019								251	
4/5/2019							642		1520
9/23/2019	70.2		47.2		43.9				
9/24/2019		<1		20.7		35.4			1110
9/25/2019							434	223	
3/25/2020	85.9		46.3		50.5	35.1			
3/26/2020		<1		21.6					
3/30/2020								223	1150
3/31/2020							484		
6/16/2020	88.2				49.5				
9/15/2020	47.3	<1	51.5	21.2	44.7	35.3			
9/16/2020							467		
9/17/2020								254	
9/18/2020									1260
11/10/2020									
11/11/2020									
12/15/2020									
1/19/2021									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-4 (bg)	HGWA-2 (bg)	HGWA-5 (bg)	HGWA-3 (bg)	HGWA-6 (bg)	HGWC-17	HGWC-16	HGWC-14
1/20/2021									
2/10/2021									
3/10/2021	49.6	1.2							
3/11/2021			52.9	22.7	50.4	35.5			
3/16/2021									
3/17/2021								250	1300
3/18/2021							447		
8/11/2021	48.9								
8/12/2021		1.1	47.4	17.4	38.6	28.6			
8/13/2021									
8/18/2021							280		768
8/19/2021								228	
2/1/2022	43.7		67.1		46				
2/7/2022		2.9		20.6		33			
2/8/2022							364	238	
2/9/2022									1190
8/2/2022	58.1	4.9	86.9		43.5				
8/9/2022									
8/10/2022				19.7		34	423	206	
8/11/2022									1200
1/23/2023		42.5			39.5				
1/24/2023	48.3		79.7						
1/27/2023				22.7		35			
1/30/2023							451		
2/1/2023								257	1060
8/8/2023	67.7	16.8	89.9	32.7	35	18.8			
8/13/2023							351	214	935
2/13/2024	50.4	64.6	93.9	21.8	35.5	35.3			
2/17/2024							260		898
2/18/2024								220	
8/5/2024	49.4		87.2		31.1				
8/6/2024		28.1		17.4		33.5			
8/8/2024							238		
8/9/2024								190	
8/10/2024									854
2/12/2025	43.8	35.2			28				
2/14/2025			94.5	18.2		30.8			
2/16/2025							224		
2/17/2025								200	
2/18/2025									790

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-18	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-42D (bg)
5/19/2016					
5/20/2016					
5/23/2016	424				
5/24/2016		834			
7/11/2016					
7/12/2016	440	930			
8/30/2016					
9/1/2016	440	890			
10/19/2016					
10/20/2016					
10/24/2016	420				
10/25/2016		950			
12/6/2016					
12/7/2016	450				
12/8/2016		910			
1/24/2017					
1/26/2017	490	970			
3/21/2017					
3/22/2017					
3/23/2017	530	980			
5/22/2017					
5/23/2017					
5/24/2017	500				
5/25/2017		920			
10/3/2017					
10/4/2017	560	870			
6/4/2018					
6/5/2018		962			
6/6/2018	469				
10/1/2018					
10/2/2018					
10/3/2018	600	1170			
4/1/2019					
4/2/2019					
4/4/2019	528				
4/5/2019		1030			
9/23/2019					
9/24/2019	382				
9/25/2019		920			
3/25/2020					
3/26/2020	438				
3/30/2020					
3/31/2020		934			
6/16/2020					
9/15/2020		1080			
9/16/2020			43	24.95 (D)	
9/17/2020	416				10.9
9/18/2020					
11/10/2020			39	6.3	
11/11/2020					9.4
12/15/2020			38.8	6.7	10.9
1/19/2021			37.3	7.4	

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-18	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-42D (bg)
1/20/2021					9.8
2/10/2021		1040			
3/10/2021				<1	10.8
3/11/2021			38.6		
3/16/2021	379				
3/17/2021					
3/18/2021		1050			
8/11/2021			30.5		
8/12/2021					7.8
8/13/2021				56.1	
8/18/2021					
8/19/2021	223	934			
2/1/2022			37.5	56.3	
2/7/2022					10.4
2/8/2022	360	960			
2/9/2022					
8/2/2022			37	13.2	
8/9/2022					11.2
8/10/2022		946			
8/11/2022	365				
1/23/2023					11.1
1/24/2023			34.7	10.1	
1/27/2023					
1/30/2023					
2/1/2023	341	776			
8/8/2023			25.6	1.3	10.5
8/13/2023	281	895			
2/13/2024			28.9	2	17.1
2/17/2024	305				
2/18/2024		755			
8/5/2024					
8/6/2024			25.5	0.86 (J)	11.5
8/8/2024	286				
8/9/2024		413			
8/10/2024					
2/12/2025			25.2	0.51 (J)	
2/14/2025					11.6
2/16/2025					
2/17/2025	277				
2/18/2025		289			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-4 (bg)	HGWA-5 (bg)	HGWA-3 (bg)	HGWA-6 (bg)	HGWC-14	HGWC-16	HGWC-17
5/19/2016	421	143	165	168	267				
5/20/2016						223			
5/23/2016							4130	570	1010
5/24/2016									
7/11/2016	363	125	266	158		225			
7/12/2016					249		3140	585	976
8/30/2016	330	168	292	141	254	232			
9/1/2016							3200	625	1060
10/19/2016	380	176	338		357				
10/20/2016				99		225			
10/24/2016							2920		
10/25/2016								563	<25
12/6/2016	377	145	356		285				
12/7/2016							2740	561	866
12/8/2016				116		235			
1/24/2017	342	129	131	156	300	272			
1/26/2017							3080	608	1000
3/21/2017	340	103	132	144	288	222			
3/22/2017								599	1080
3/23/2017							3060		
5/22/2017	338	92			263				
5/23/2017			183	134		231			
5/24/2017							3140	598	
5/25/2017									1080
10/3/2017	343	127	161	147	300	243			
10/4/2017							3210	626	1210
6/4/2018	415	140	240		266				
6/5/2018				152		235			
6/6/2018							2620	678	1180
10/1/2018	354	135	106		291				
10/2/2018				146		228			
10/3/2018							2430	700	1250
4/1/2019					284				
4/2/2019	452	133	230	144		238			
4/4/2019								704	
4/5/2019							2310		1260
9/23/2019	442	129			268				
9/24/2019			131	133		222	2470		
9/25/2019								813	1280
3/25/2020	496	138			284	240			
3/26/2020			69	104					
3/30/2020							2590	787	
3/31/2020									1310
6/16/2020	632				448				
9/15/2020	265	124	93	116	258	217			
9/16/2020									1220
9/17/2020								804	
9/18/2020							2440		
11/10/2020									
11/11/2020									
12/15/2020									
1/19/2021									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-4 (bg)	HGWA-5 (bg)	HGWA-3 (bg)	HGWA-6 (bg)	HGWC-14	HGWC-16	HGWC-17
1/20/2021									
3/10/2021	348		53						
3/11/2021		169		118	267	215			
3/16/2021									
3/17/2021							1640	768	
3/18/2021									1020
8/11/2021	366								
8/12/2021		118	55	158	265	229			
8/13/2021									
8/18/2021							2350		1290
8/19/2021								816	
2/1/2022	270	156			350				
2/7/2022			54	135		224			
2/8/2022								852	1160
2/9/2022							2310		
8/2/2022	400	196	48		287				
8/9/2022									
8/10/2022				134		217		894	1390
8/11/2022							1060		
1/23/2023			128		293				
1/24/2023	369	164							
1/27/2023				182		229			
1/30/2023									1320
2/1/2023							1950	1030	
8/8/2023	457	189	141	225	285	125			
8/13/2023							1960	861	1180
2/13/2024	402	214	176	155	284	240			
2/17/2024							1720		815
2/18/2024								755	
8/5/2024	444	217			304				
8/6/2024			159	141		247			
8/8/2024									768
8/9/2024								766	
8/10/2024							1780		
2/12/2025	374		128		267				
2/14/2025		242		126		225			
2/16/2025									670
2/17/2025								768	
2/18/2025							1600		

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-18	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-42D (bg)
5/19/2016					
5/20/2016					
5/23/2016	1270				
5/24/2016		1900			
7/11/2016					
7/12/2016	1100	1950			
8/30/2016					
9/1/2016	1180	2000			
10/19/2016					
10/20/2016					
10/24/2016	1090				
10/25/2016		1870			
12/6/2016					
12/7/2016	1040				
12/8/2016		1930			
1/24/2017					
1/26/2017	1260	1950			
3/21/2017					
3/22/2017					
3/23/2017	1360	2080			
5/22/2017					
5/23/2017					
5/24/2017	1320				
5/25/2017		1970			
10/3/2017					
10/4/2017	1340	2200			
6/4/2018					
6/5/2018		1880			
6/6/2018	1120				
10/1/2018					
10/2/2018					
10/3/2018	1140	2180			
4/1/2019					
4/2/2019					
4/4/2019	926				
4/5/2019		1610			
9/23/2019					
9/24/2019	1105 (D)				
9/25/2019		1955 (D)			
3/25/2020					
3/26/2020	1000				
3/30/2020					
3/31/2020		1860			
6/16/2020					
9/15/2020		1890			
9/16/2020			270	272	
9/17/2020	956				188
9/18/2020					
11/10/2020			287	307	
11/11/2020					175
12/15/2020			295	289	193
1/19/2021			278	270	

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 4/29/2025 12:28 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-18	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-42D (bg)
1/20/2021					158
3/10/2021			289		163
3/11/2021				279	
3/16/2021	92				
3/17/2021					
3/18/2021		1390			
8/11/2021				277	
8/12/2021					179
8/13/2021			436		
8/18/2021					
8/19/2021	958	1750			
2/1/2022			444	156	
2/7/2022					190
2/8/2022	866	1770			
2/9/2022					
8/2/2022			311	278	
8/9/2022					182
8/10/2022		1890			
8/11/2022	940				
1/23/2023					168
1/24/2023			363	271	
1/27/2023					
1/30/2023					
2/1/2023	892	1430			
8/8/2023			361	274	175
8/13/2023	881	1700			
2/13/2024			379	291	212
2/17/2024	830				
2/18/2024		1360			
8/5/2024					
8/6/2024			380	283	191
8/8/2024	890				
8/9/2024		864			
8/10/2024					
2/12/2025			363	273	
2/14/2025					192
2/16/2025					
2/17/2025	764				
2/18/2025		598			

FIGURE E.

Appendix III Trend Tests - Significant Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 4/29/2025, 12:31 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**HGWA-2 (bg)**	**0.002553**	**192**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWA-43D (bg)**	**-0.00484**	**-48**	**-43**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWA-44D (bg)**	**0.06008**	**56**	**43**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWC-14**	**-1.28**	**-180**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWC-16**	**0.1455**	**140**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWC-18**	**-0.5017**	**-130**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-2 (bg)**	**1.743**	**142**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-3 (bg)**	**1.808**	**153**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-4 (bg)**	**-5.891**	**-119**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-44D (bg)**	**-6.278**	**-58**	**-43**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWC-14**	**-20.63**	**-135**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWC-16**	**9.468**	**160**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWA-3 (bg)**	**-0.1661**	**-183**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWA-4 (bg)**	**-0.3906**	**-224**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWA-44D (bg)**	**6.04**	**54**	**43**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWC-14**	**-61.52**	**-209**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWC-15**	**-20.27**	**-200**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWC-16**	**10.34**	**196**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWA-2 (bg)**	**4.631**	**200**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWA-43D (bg)**	**-3.467**	**-66**	**-43**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWC-15**	**-21.6**	**-139**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**HGWA-4 (bg)**	**-16.71**	**-110**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**HGWC-14**	**-186**	**-200**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**HGWC-15**	**-50.5**	**-168**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**HGWC-16**	**43.71**	**183**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - All Results

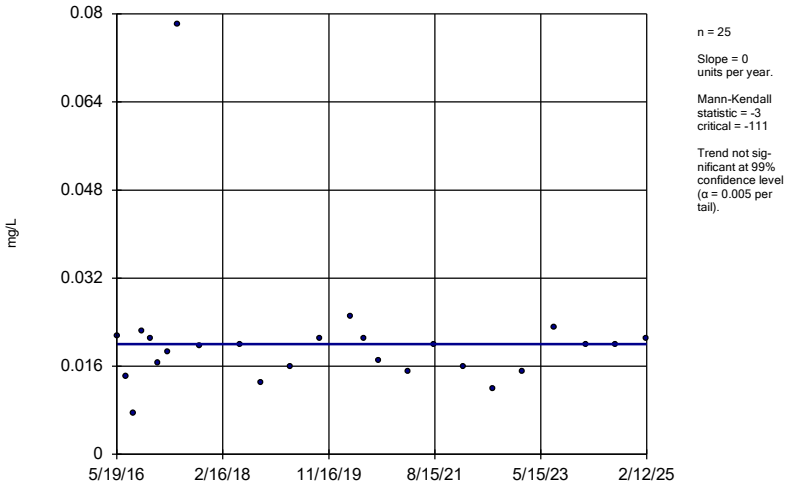
Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 4/29/2025, 12:31 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	HGWA-1 (bg)	0	-3	-111	No	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	**HGWA-2 (bg)**	**0.002553**	**192**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	HGWA-3 (bg)	0.0004291	70	111	No	25	24	n/a	n/a	0.01	NP
Boron (mg/L)	HGWA-4 (bg)	0.0007332	50	105	No	24	4.167	n/a	n/a	0.01	NP
Boron (mg/L)	HGWA-5 (bg)	0.0008166	86	105	No	24	20.83	n/a	n/a	0.01	NP
Boron (mg/L)	HGWA-6 (bg)	-0.0002525	-38	-98	No	23	4.348	n/a	n/a	0.01	NP
Boron (mg/L)	HGWA-42D (bg)	0.0001173	2	38	No	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	**HGWA-43D (bg)**	**-0.00484**	**-48**	**-43**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWA-44D (bg)**	**0.06008**	**56**	**43**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWC-14**	**-1.28**	**-180**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	HGWC-15	-0.04583	-65	-105	No	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	**HGWC-16**	**0.1455**	**140**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	HGWC-17	-0.005384	-12	-105	No	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	**HGWC-18**	**-0.5017**	**-130**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	HGWA-1 (bg)	2.026	100	111	No	25	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**HGWA-2 (bg)**	**1.743**	**142**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-3 (bg)**	**1.808**	**153**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-4 (bg)**	**-5.891**	**-119**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	HGWA-5 (bg)	-0.1464	-23	-105	No	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-6 (bg)	0.3665	62	105	No	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-42D (bg)	0.3041	12	43	No	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-43D (bg)	-1.38	-24	-43	No	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**HGWA-44D (bg)**	**-6.278**	**-58**	**-43**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWC-14**	**-20.63**	**-135**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	HGWC-15	-3.781	-73	-105	No	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**HGWC-16**	**9.468**	**160**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	HGWC-17	2.207	7	105	No	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-1 (bg)	0.4664	67	111	No	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-2 (bg)	0.1024	59	105	No	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**HGWA-3 (bg)**	**-0.1661**	**-183**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWA-4 (bg)**	**-0.3906**	**-224**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	HGWA-5 (bg)	-0.03922	-68	-105	No	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-6 (bg)	-0.04069	-77	-105	No	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-42D (bg)	0.03197	9	43	No	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-43D (bg)	-0.1034	-29	-43	No	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**HGWA-44D (bg)**	**6.04**	**54**	**43**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWC-14**	**-61.52**	**-209**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWC-15**	**-20.27**	**-200**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWC-16**	**10.34**	**196**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	HGWC-17	1.338	6	105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-1 (bg)	0.3291	19	111	No	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**HGWA-2 (bg)**	**4.631**	**200**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	HGWA-3 (bg)	-0.7966	-54	-111	No	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-4 (bg)	0.6431	42	105	No	24	12.5	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-5 (bg)	-0.2584	-53	-105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-6 (bg)	-0.3429	-102	-105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-42D (bg)	0.2675	35	43	No	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**HGWA-43D (bg)**	**-3.467**	**-66**	**-43**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	HGWA-44D (bg)	-1.791	-24	-43	No	13	7.692	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-14	-50.84	-88	-105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**HGWC-15**	**-21.6**	**-139**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	HGWC-16	-0.1028	-13	-105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-17	-14.95	-77	-105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-18	-8.695	-38	-111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-1 (bg)	4.4	56	111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-2 (bg)	8.099	101	105	No	24	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-3 (bg)	0.8767	34	111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	**HGWA-4 (bg)**	**-16.71**	**-110**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	HGWA-5 (bg)	-0.07085	-5	-105	No	24	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-6 (bg)	-0.4692	-18	-105	No	24	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-42D (bg)	3.978	21	43	No	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-43D (bg)	-0.688	-4	-43	No	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-44D (bg)	24.11	41	43	No	13	0	n/a	n/a	0.01	NP
TDS (mg/L)	**HGWC-14**	**-186**	**-200**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**HGWC-15**	**-50.5**	**-168**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**HGWC-16**	**43.71**	**183**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	HGWC-17	31.21	62	105	No	24	4.167	n/a	n/a	0.01	NP

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-1 (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -3 critical = -111

Trend not significant at 99% confidence level (α = 0.005 per tail).

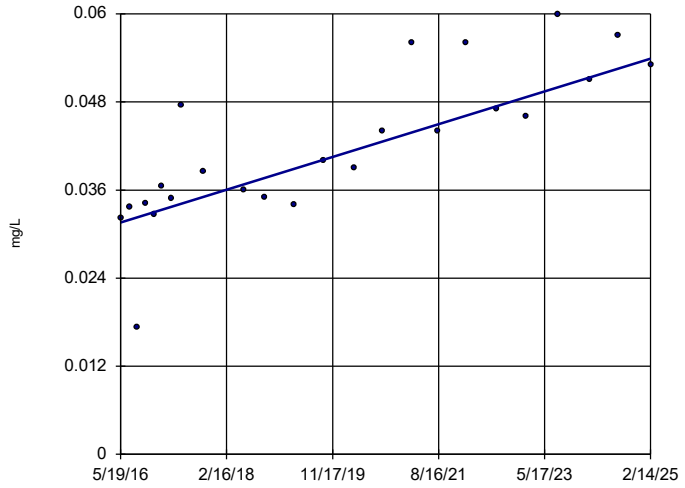
Constituent: Boron Analysis Run 4/29/2025 12:28 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-2 (bg)



n = 24

Slope = 0.002553 units per year.

Mann-Kendall statistic = 192 critical = 105

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/29/2025 12:28 PM View: Appendix III Trend Test

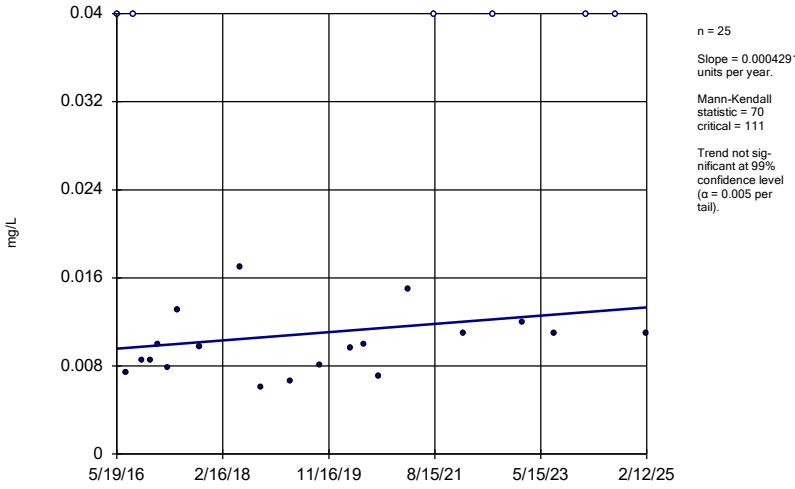
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-3 (bg)



n = 25

Slope = 0.0004291 units per year.

Mann-Kendall statistic = 70 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/29/2025 12:28 PM View: Appendix III Trend Test

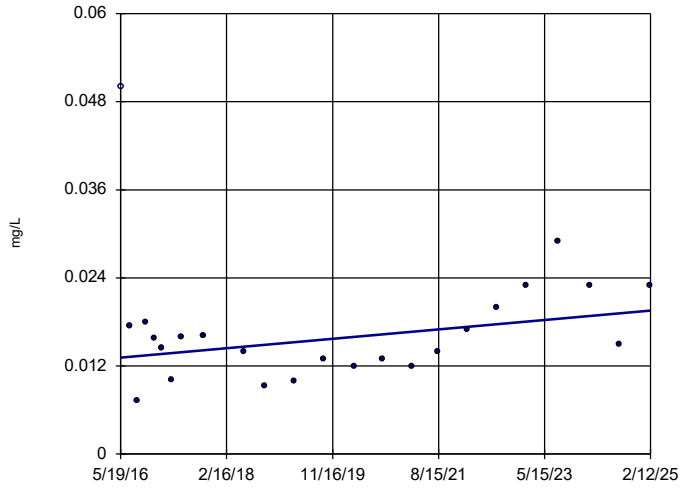
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-4 (bg)



n = 24

Slope = 0.0007332 units per year.

Mann-Kendall statistic = 50 critical = 105

Trend not significant at 99% confidence level (α = 0.005 per tail).

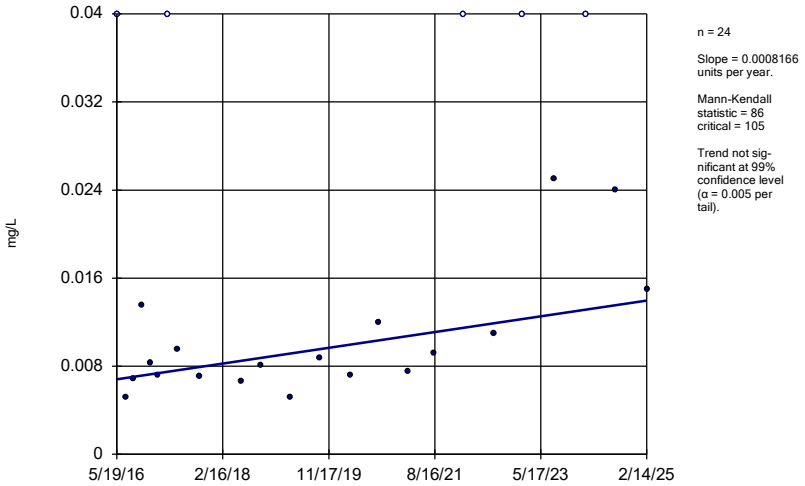
Constituent: Boron Analysis Run 4/29/2025 12:28 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-5 (bg)



n = 24

Slope = 0.0008166 units per year.

Mann-Kendall statistic = 86
critical = 105

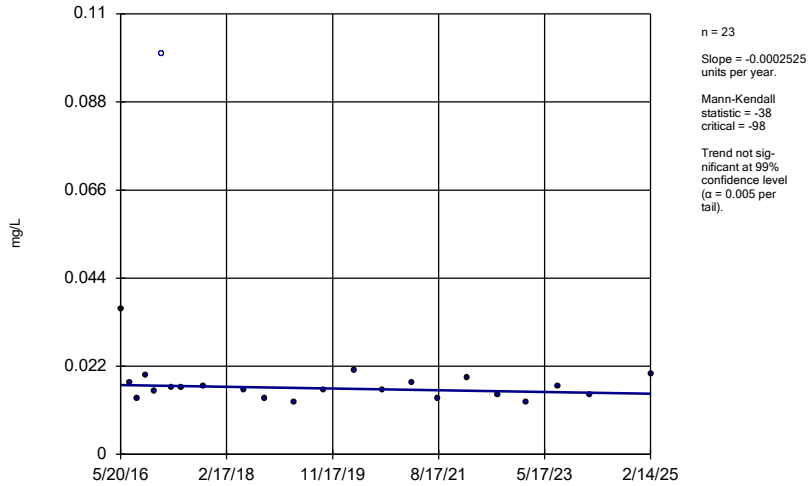
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/29/2025 12:28 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-6 (bg)



n = 23

Slope = -0.0002525 units per year.

Mann-Kendall statistic = -38
critical = -98

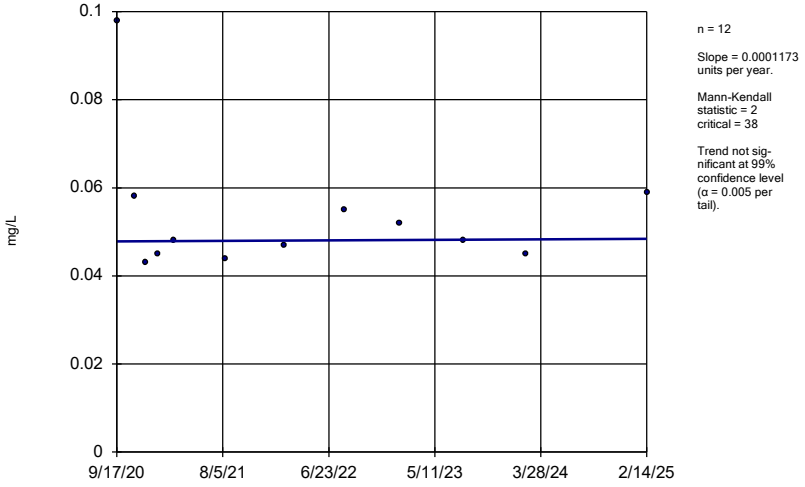
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/29/2025 12:28 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-42D (bg)



n = 12

Slope = 0.0001173 units per year.

Mann-Kendall statistic = 2
critical = 38

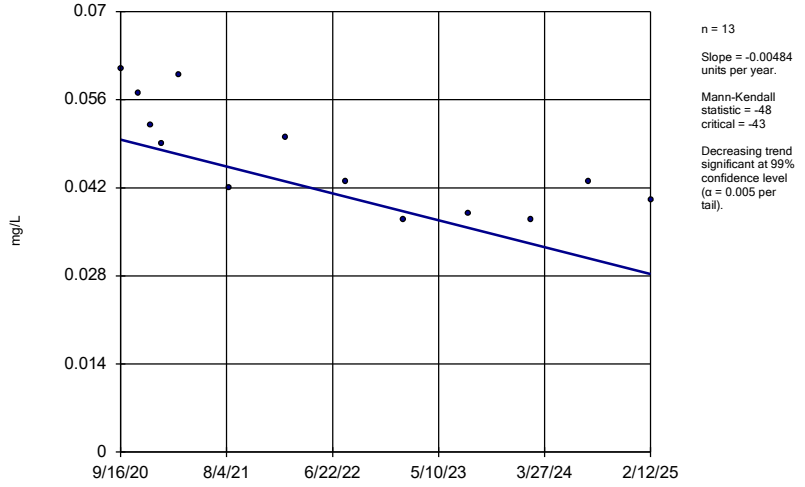
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/29/2025 12:28 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-43D (bg)



n = 13

Slope = -0.00484 units per year.

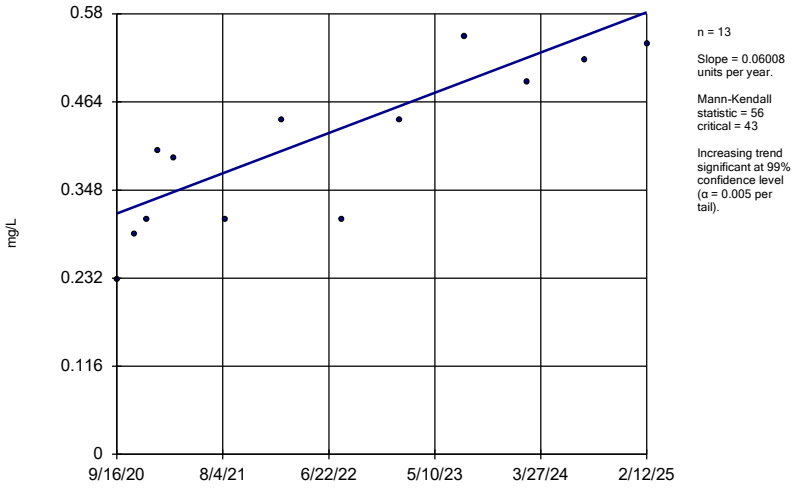
Mann-Kendall statistic = -48
critical = -43

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/29/2025 12:28 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWA-44D (bg)



n = 13

Slope = 0.06008 units per year.

Mann-Kendall statistic = 56
critical = 43

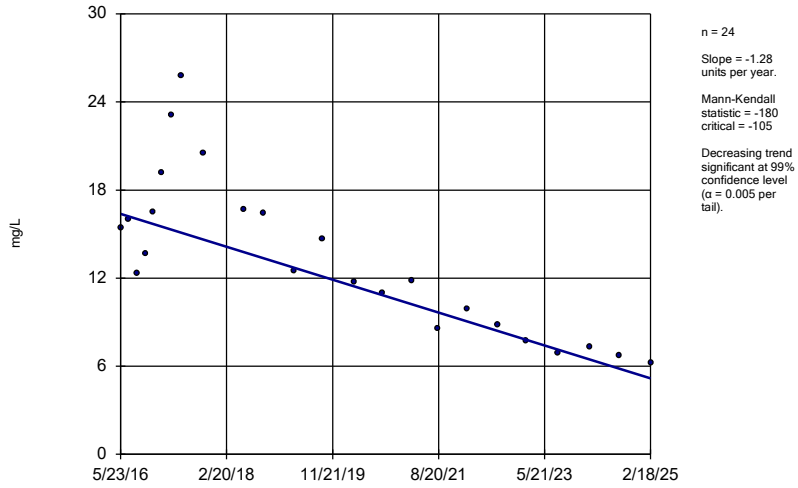
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/29/2025 12:28 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-14



n = 24

Slope = -1.28 units per year.

Mann-Kendall statistic = -180
critical = -105

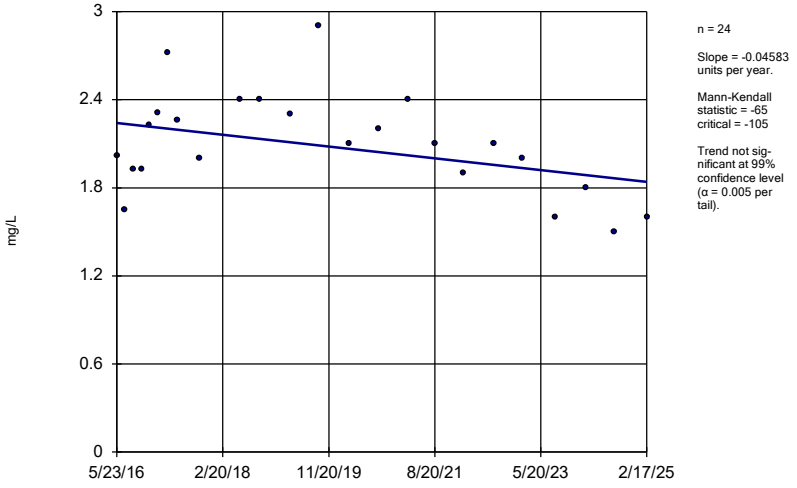
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/29/2025 12:28 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-15



n = 24

Slope = -0.04583 units per year.

Mann-Kendall statistic = -65
critical = -105

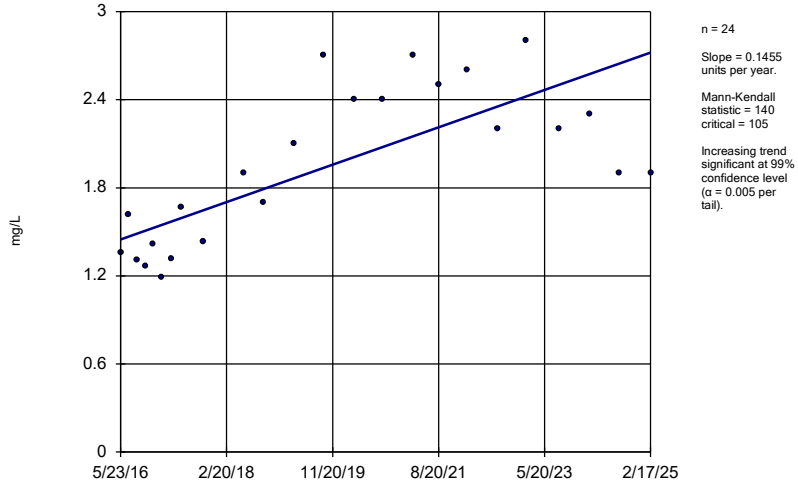
Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/29/2025 12:28 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-16



n = 24

Slope = 0.1455 units per year.

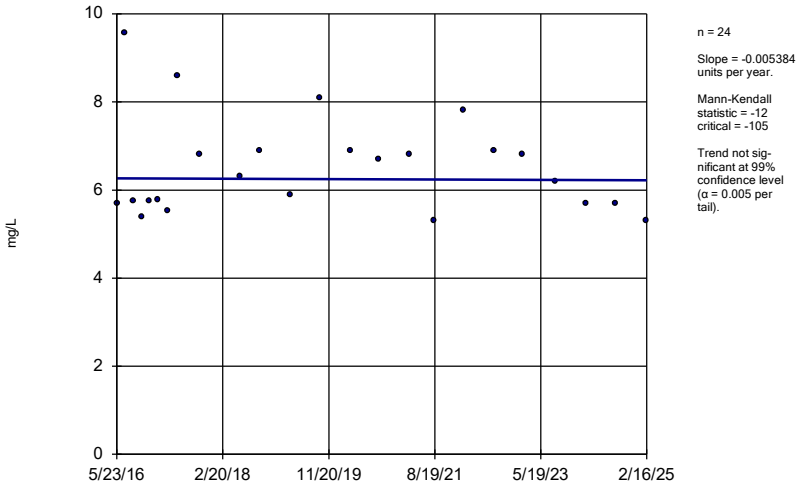
Mann-Kendall statistic = 140
critical = 105

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/29/2025 12:28 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWC-17



n = 24

Slope = -0.005384 units per year.

Mann-Kendall statistic = -12 critical = -105

Trend not significant at 99% confidence level (α = 0.005 per tail).

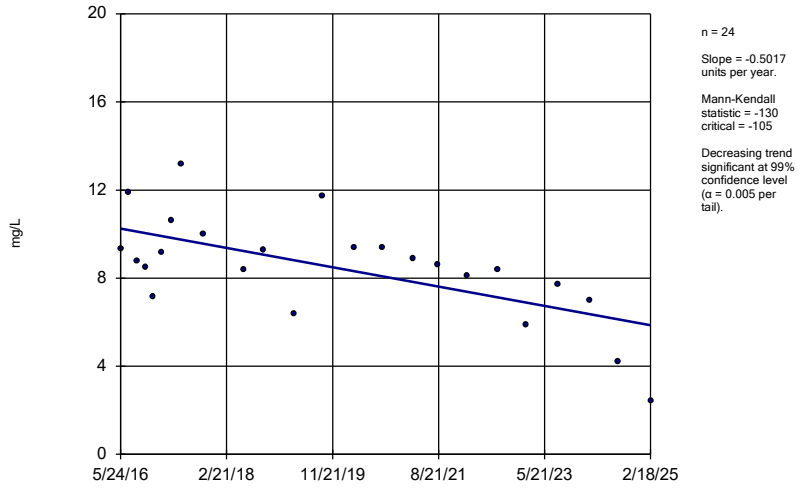
Constituent: Boron Analysis Run 4/29/2025 12:28 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-18



n = 24

Slope = -0.5017 units per year.

Mann-Kendall statistic = -130 critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

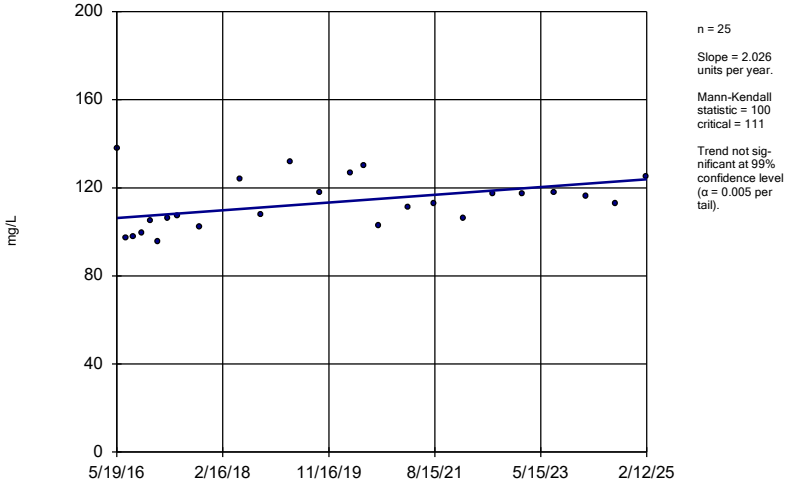
Constituent: Boron Analysis Run 4/29/2025 12:28 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-1 (bg)



n = 25

Slope = 2.026 units per year.

Mann-Kendall statistic = 100 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

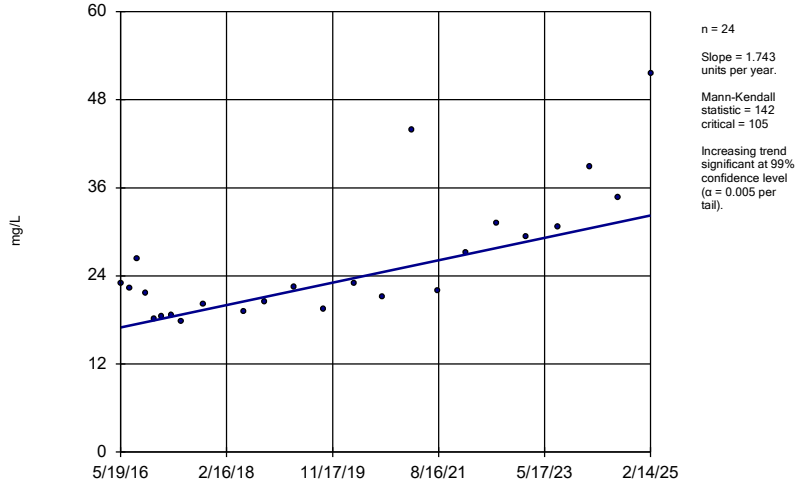
Constituent: Calcium Analysis Run 4/29/2025 12:28 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-2 (bg)



n = 24

Slope = 1.743 units per year.

Mann-Kendall statistic = 142 critical = 105

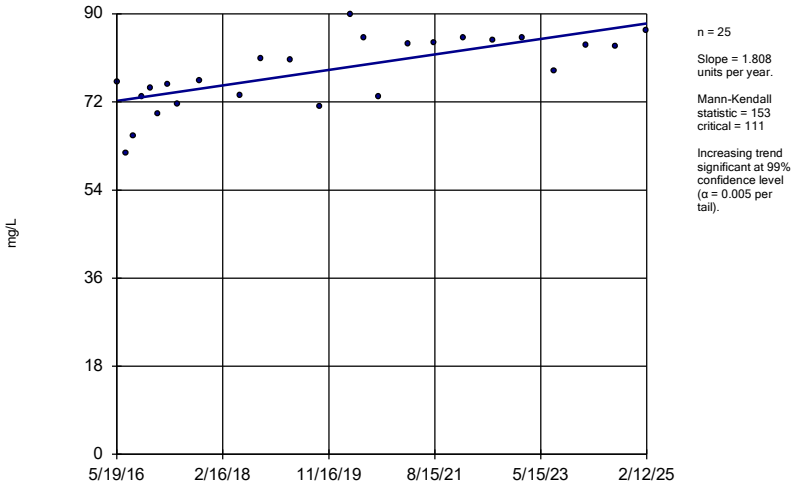
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 4/29/2025 12:28 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWA-3 (bg)



n = 25

Slope = 1.808 units per year.

Mann-Kendall statistic = 153
critical = 111

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

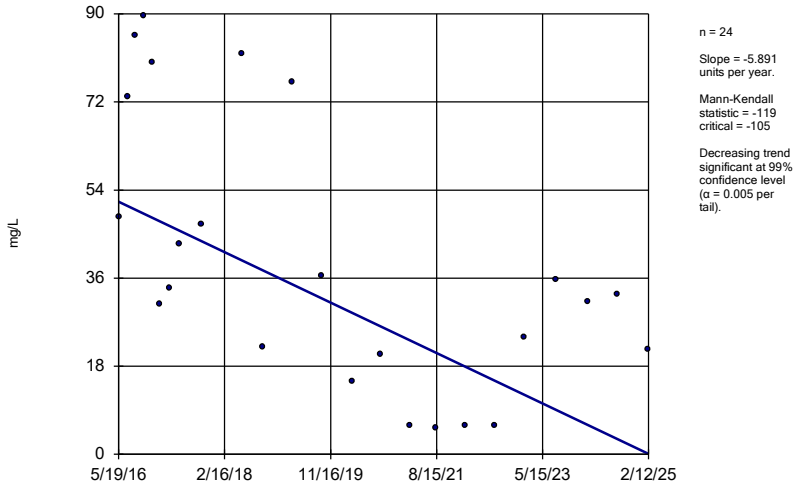
Constituent: Calcium Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-4 (bg)



n = 24

Slope = -5.891 units per year.

Mann-Kendall statistic = -119
critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

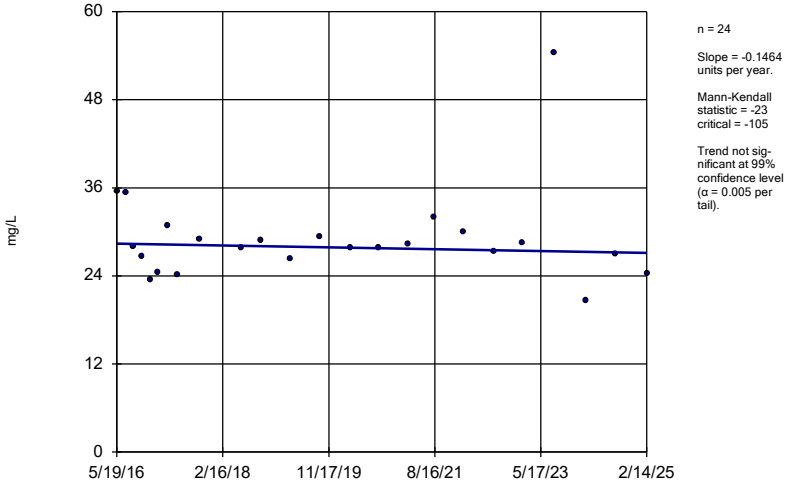
Constituent: Calcium Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-5 (bg)



n = 24

Slope = -0.1464 units per year.

Mann-Kendall statistic = -23
critical = -105

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

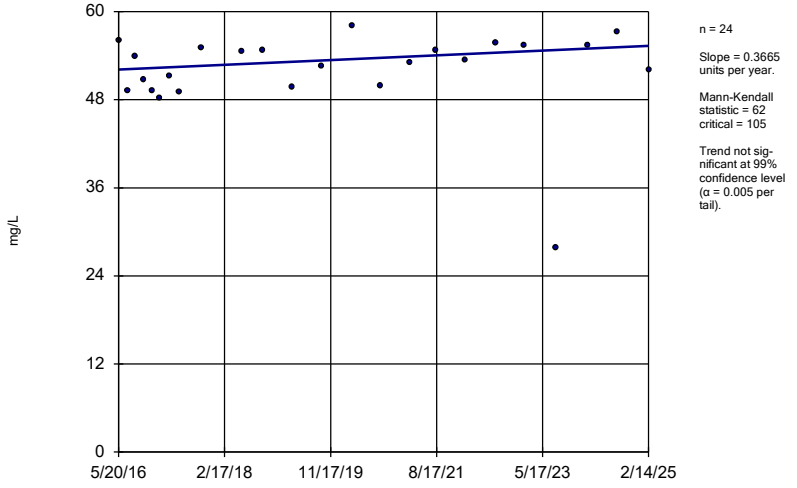
Constituent: Calcium Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-6 (bg)



n = 24

Slope = 0.3665 units per year.

Mann-Kendall statistic = 62
critical = 105

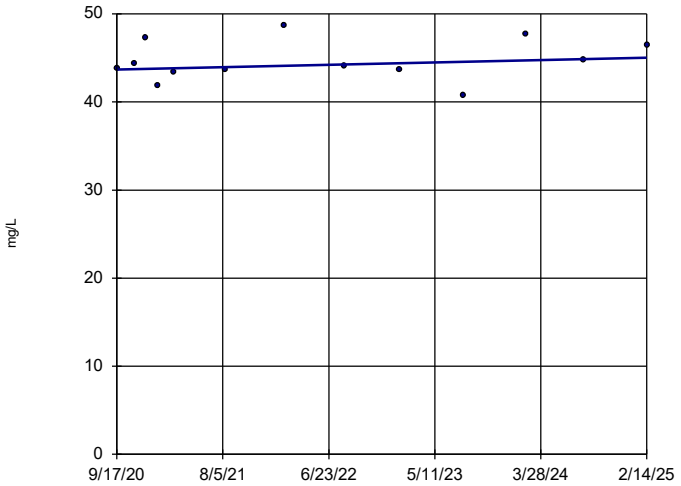
Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWA-42D (bg)



n = 13

Slope = 0.3041 units per year.

Mann-Kendall statistic = 12
critical = 43

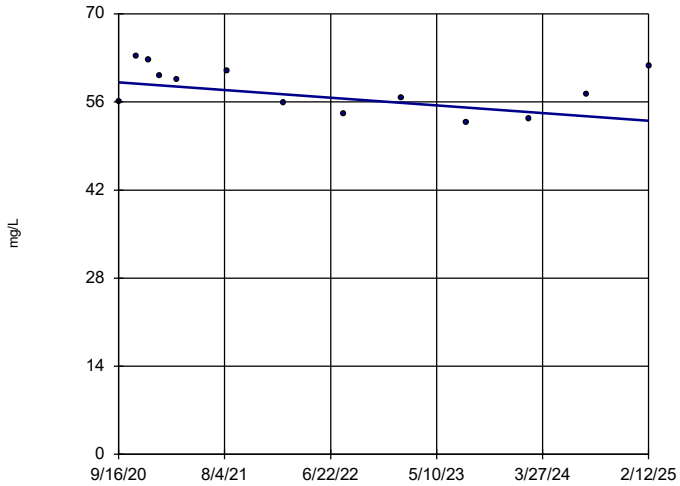
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-43D (bg)



n = 13

Slope = -1.38 units per year.

Mann-Kendall statistic = -24
critical = -43

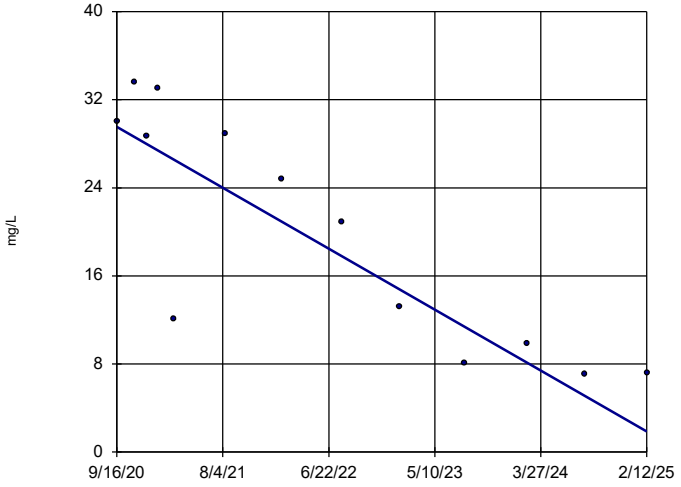
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-44D (bg)



n = 13

Slope = -6.278 units per year.

Mann-Kendall statistic = -58
critical = -43

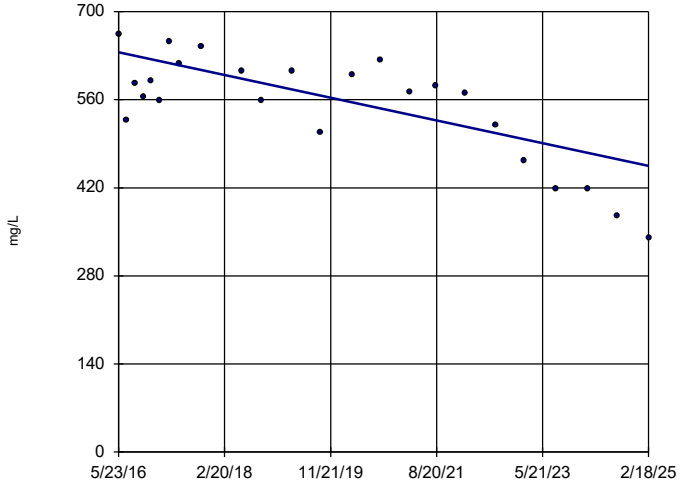
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-14



n = 24

Slope = -20.63 units per year.

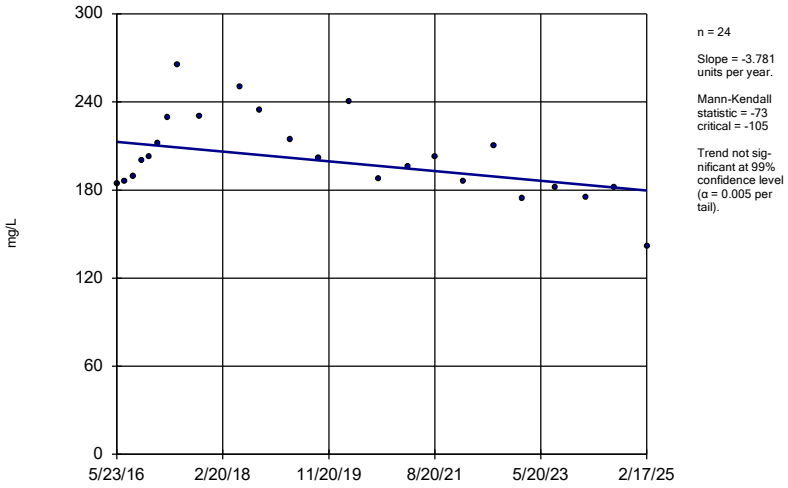
Mann-Kendall statistic = -135
critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWC-15



n = 24

Slope = -3.781 units per year.

Mann-Kendall statistic = -73 critical = -105

Trend not significant at 99% confidence level (α = 0.005 per tail).

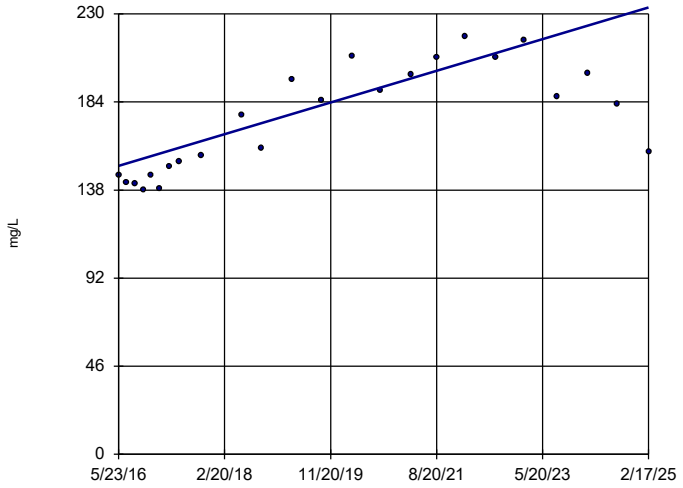
Constituent: Calcium Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-16



n = 24

Slope = 9.468 units per year.

Mann-Kendall statistic = 160 critical = 105

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

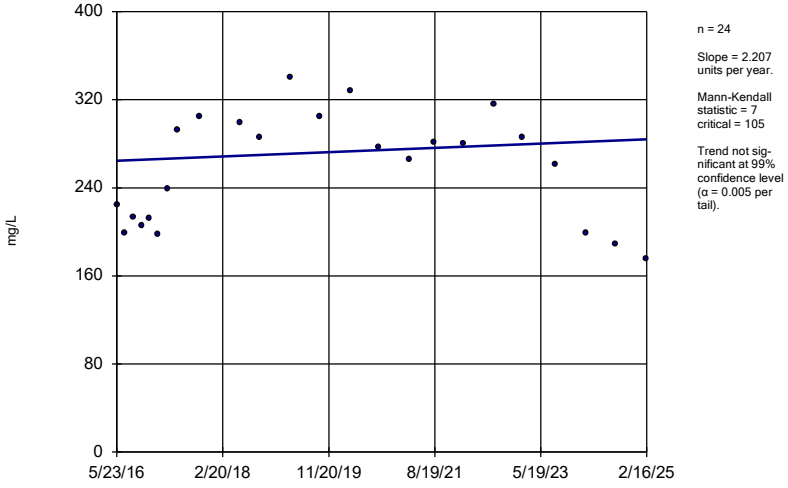
Constituent: Calcium Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-17



n = 24

Slope = 2.207 units per year.

Mann-Kendall statistic = 7 critical = 105

Trend not significant at 99% confidence level (α = 0.005 per tail).

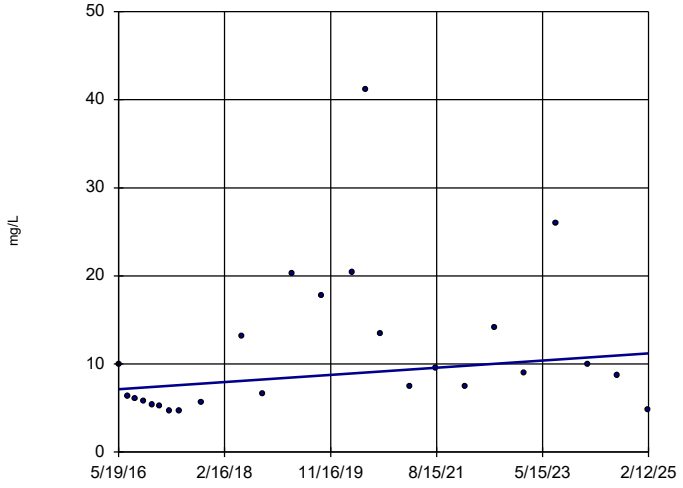
Constituent: Calcium Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-1 (bg)



n = 25

Slope = 0.4664 units per year.

Mann-Kendall statistic = 67 critical = 111

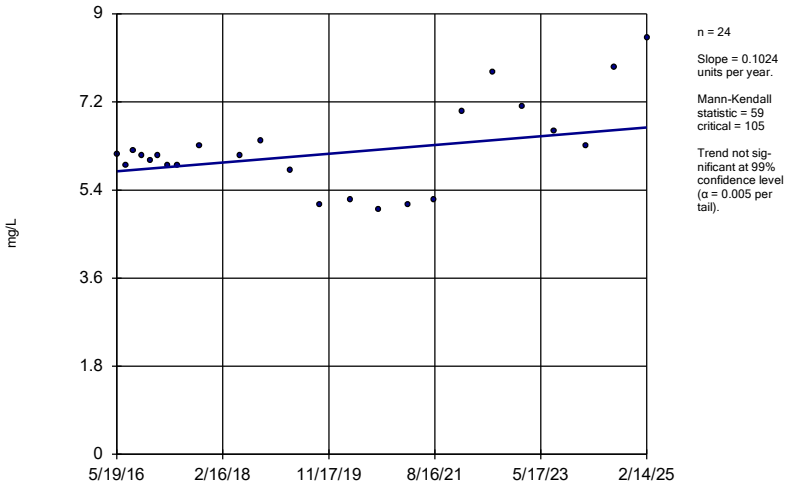
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWA-2 (bg)



n = 24

Slope = 0.1024 units per year.

Mann-Kendall statistic = 59 critical = 105

Trend not significant at 99% confidence level (α = 0.005 per tail).

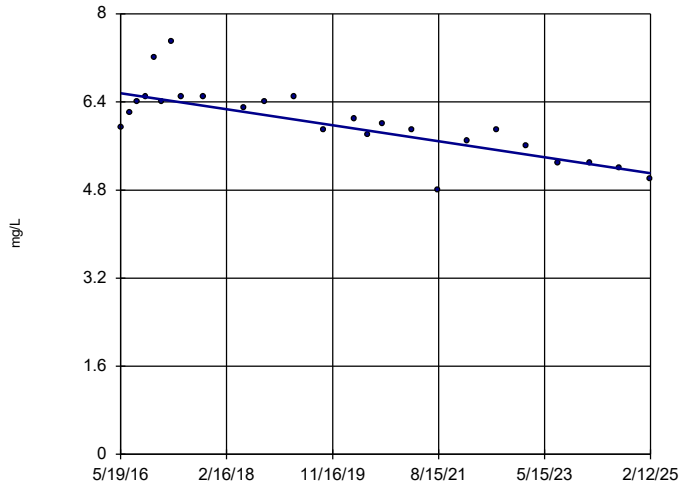
Constituent: Chloride Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-3 (bg)



n = 25

Slope = -0.1661 units per year.

Mann-Kendall statistic = -183 critical = -111

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

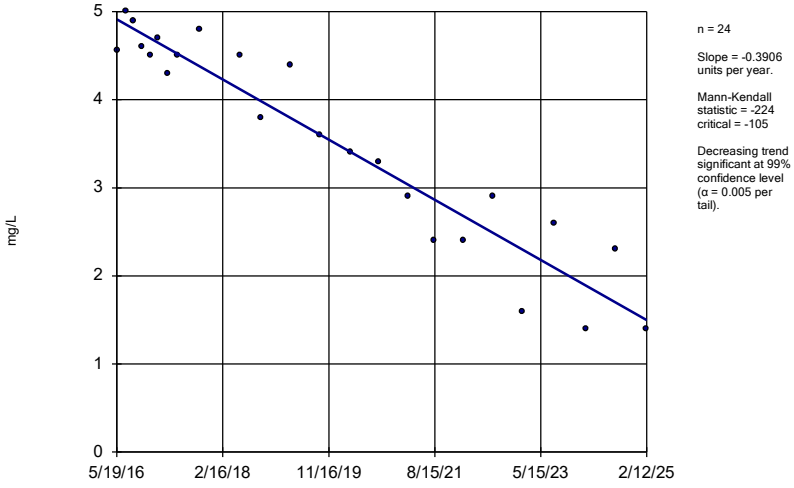
Constituent: Chloride Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-4 (bg)



n = 24

Slope = -0.3906 units per year.

Mann-Kendall statistic = -224 critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

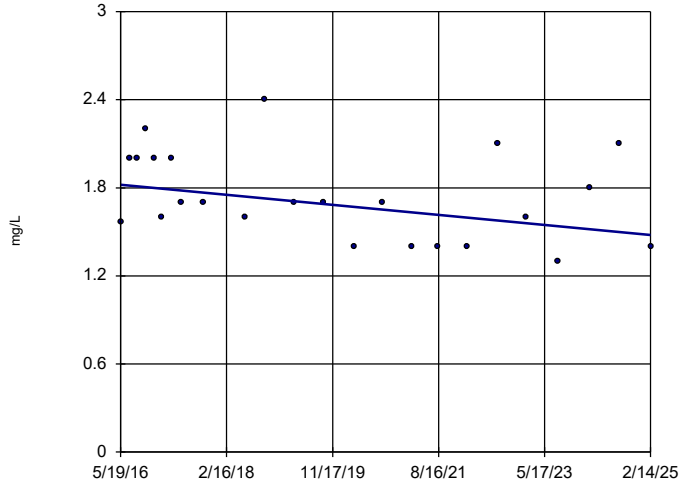
Constituent: Chloride Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-5 (bg)



n = 24

Slope = -0.03922 units per year.

Mann-Kendall statistic = -68 critical = -105

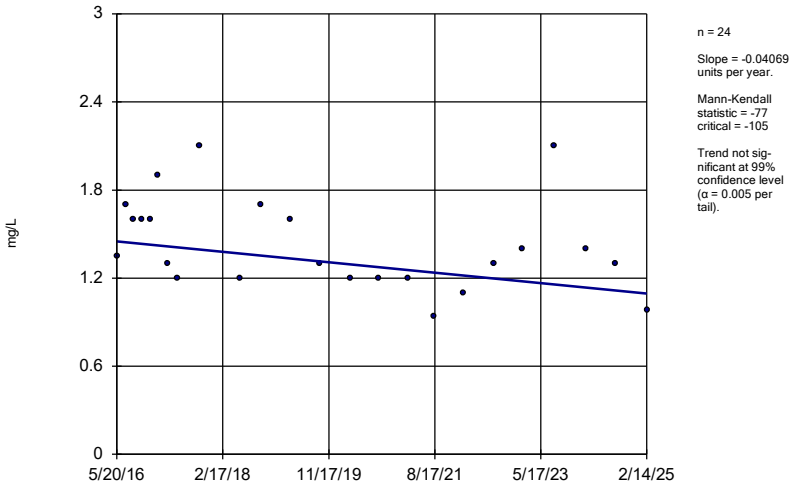
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWA-6 (bg)



n = 24

Slope = -0.04069 units per year.

Mann-Kendall statistic = -77 critical = -105

Trend not significant at 99% confidence level (α = 0.005 per tail).

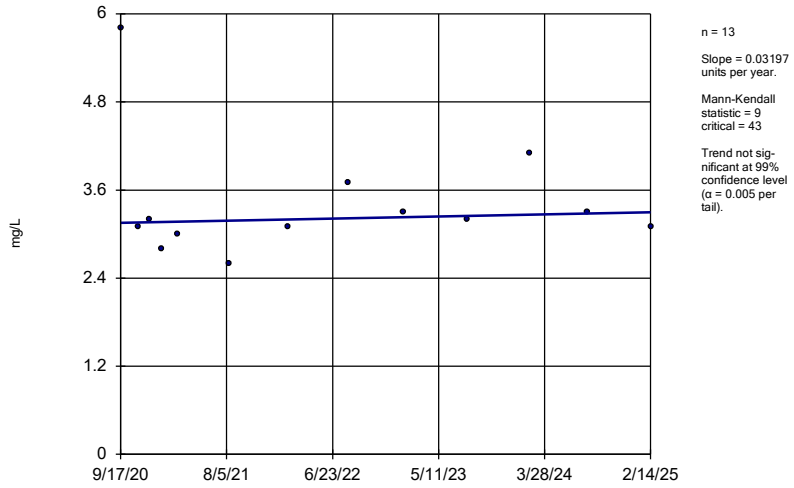
Constituent: Chloride Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-42D (bg)



n = 13

Slope = 0.03197 units per year.

Mann-Kendall statistic = 9 critical = 43

Trend not significant at 99% confidence level (α = 0.005 per tail).

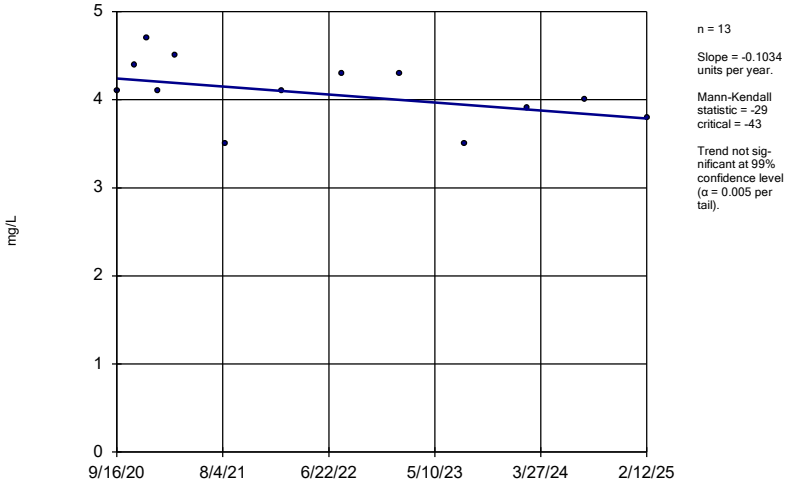
Constituent: Chloride Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-43D (bg)



n = 13

Slope = -0.1034 units per year.

Mann-Kendall statistic = -29 critical = -43

Trend not significant at 99% confidence level (α = 0.005 per tail).

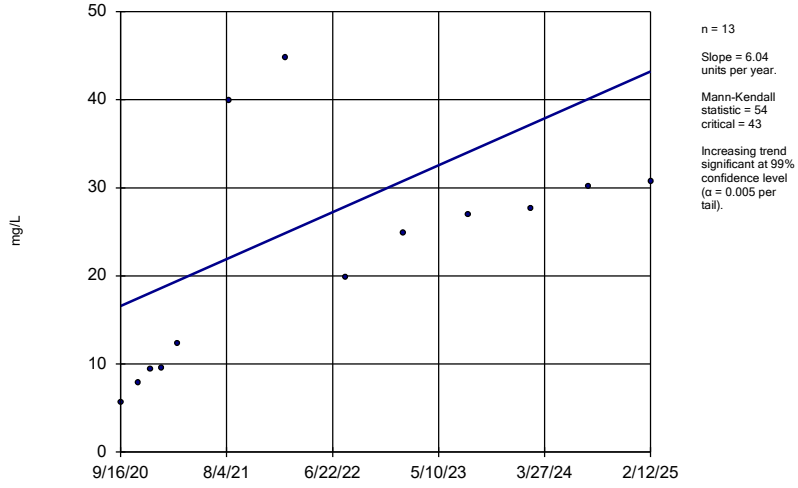
Constituent: Chloride Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-44D (bg)



n = 13

Slope = 6.04 units per year.

Mann-Kendall statistic = 54 critical = 43

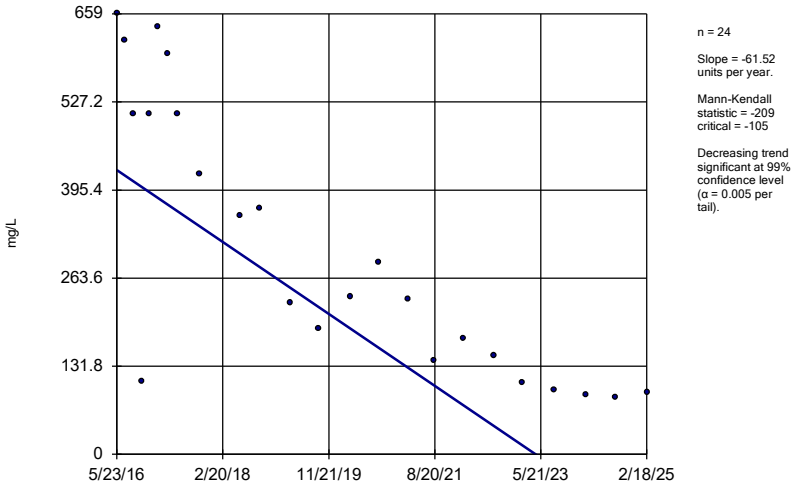
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWC-14



n = 24

Slope = -61.52 units per year.

Mann-Kendall statistic = -209 critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

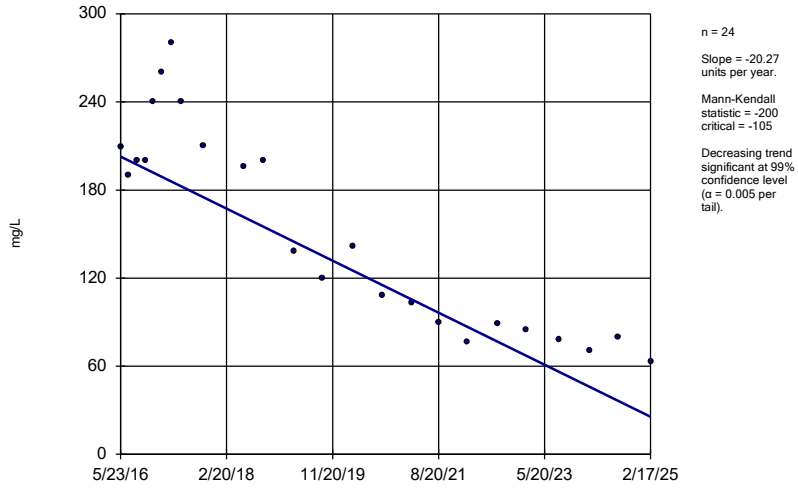
Constituent: Chloride Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-15



n = 24

Slope = -20.27 units per year.

Mann-Kendall statistic = -200 critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

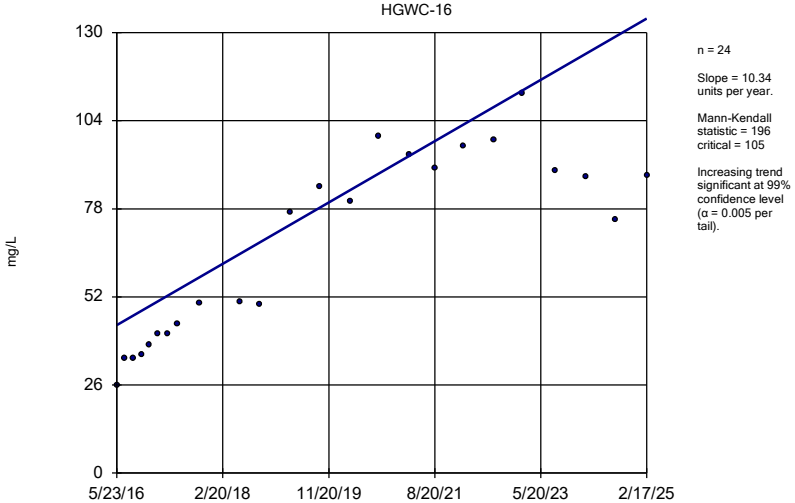
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Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-16



n = 24

Slope = 10.34 units per year.

Mann-Kendall statistic = 196 critical = 105

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

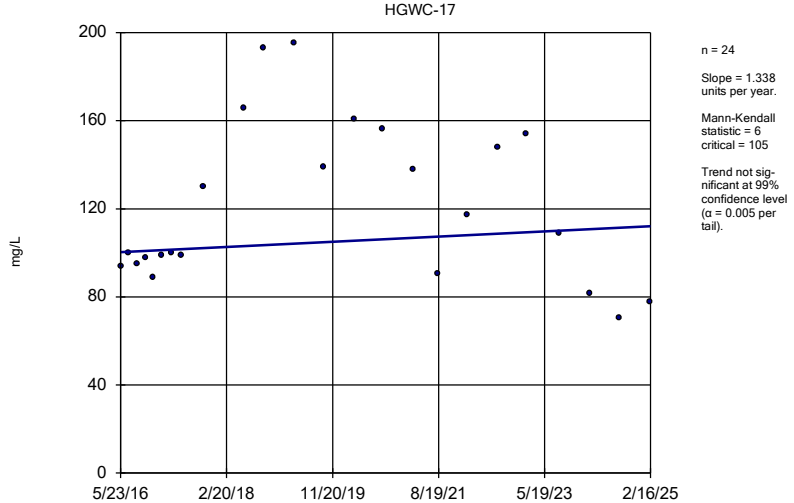
Constituent: Chloride Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-17



n = 24

Slope = 1.338 units per year.

Mann-Kendall statistic = 6 critical = 105

Trend not significant at 99% confidence level (α = 0.005 per tail).

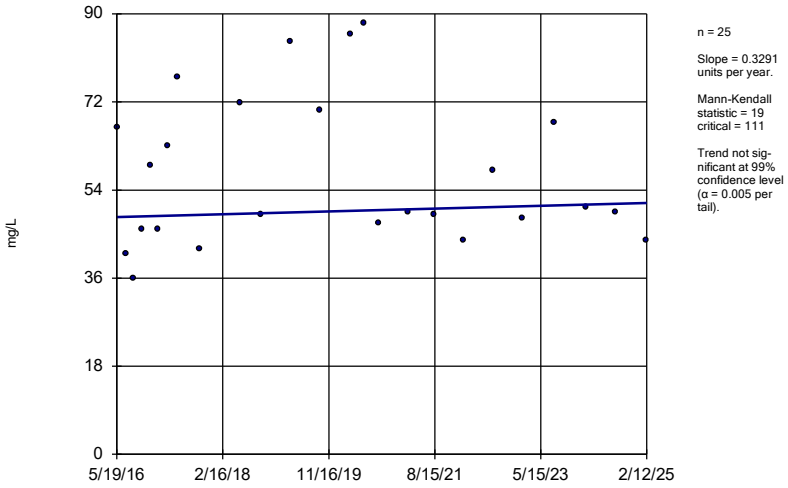
Constituent: Chloride Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-1 (bg)



n = 25

Slope = 0.3291 units per year.

Mann-Kendall statistic = 19 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

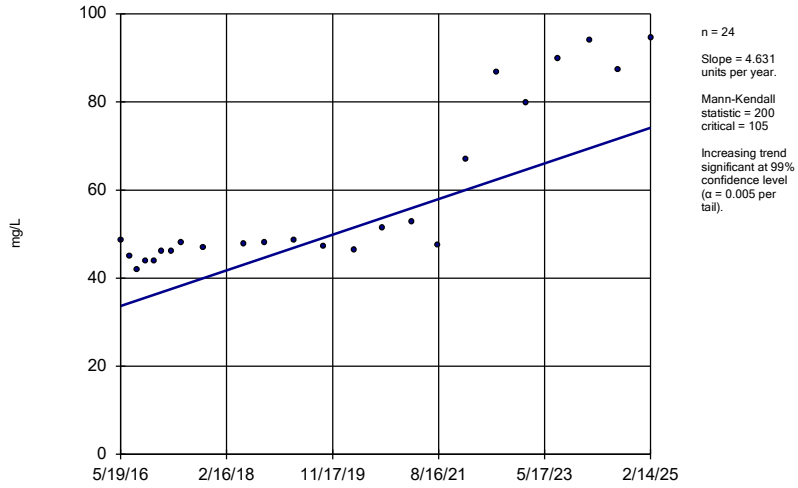
Constituent: Sulfate Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-2 (bg)



n = 24

Slope = 4.631 units per year.

Mann-Kendall statistic = 200 critical = 105

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

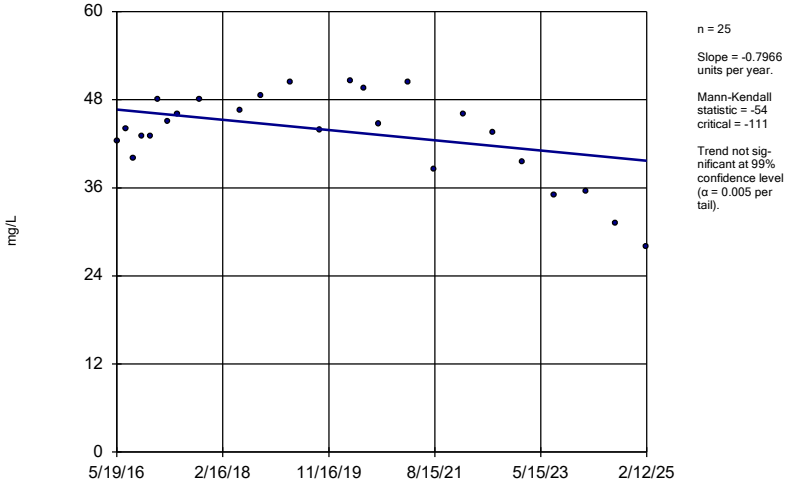
Constituent: Sulfate Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-3 (bg)



n = 25

Slope = -0.7966 units per year.

Mann-Kendall statistic = -54 critical = -111

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

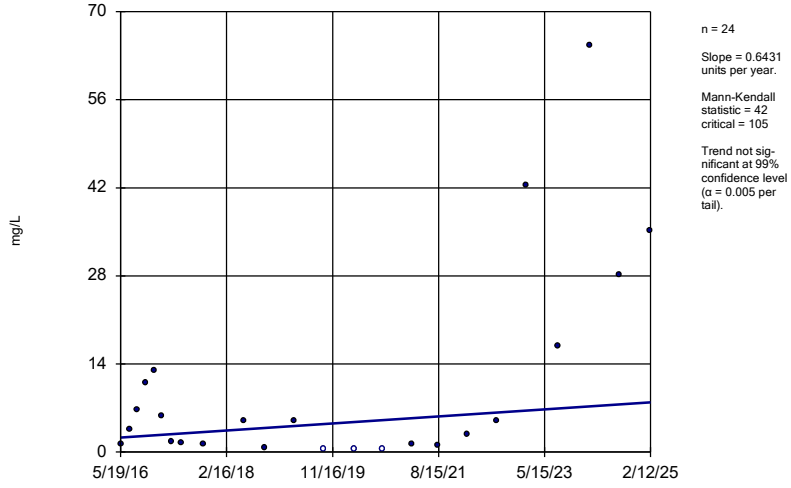
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-4 (bg)



n = 24

Slope = 0.6431 units per year.

Mann-Kendall statistic = 42 critical = 105

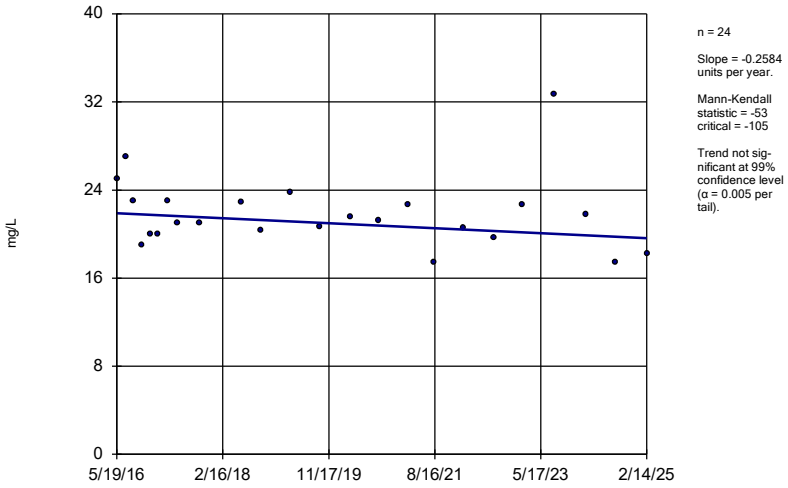
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWA-5 (bg)



n = 24

Slope = -0.2584 units per year.

Mann-Kendall statistic = -53 critical = -105

Trend not significant at 99% confidence level (α = 0.005 per tail).

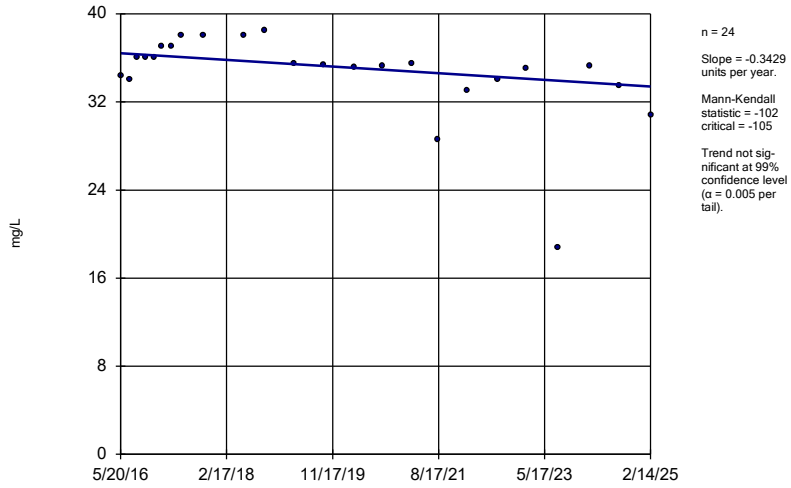
Constituent: Sulfate Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-6 (bg)



n = 24

Slope = -0.3429 units per year.

Mann-Kendall statistic = -102 critical = -105

Trend not significant at 99% confidence level (α = 0.005 per tail).

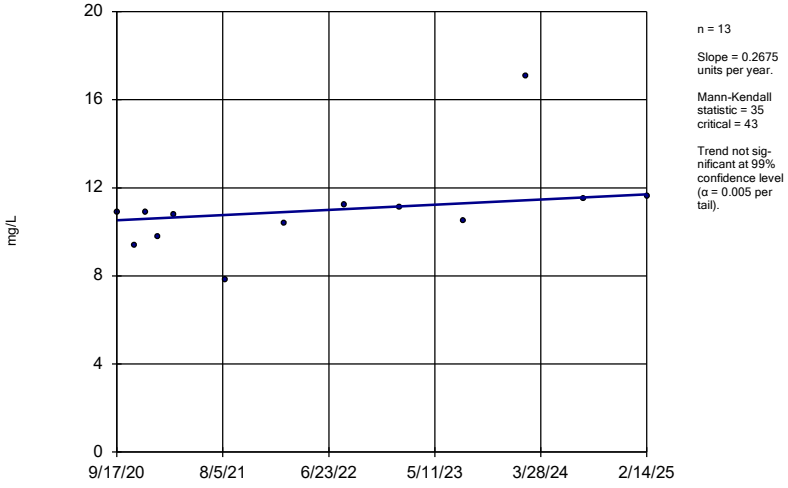
Constituent: Sulfate Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-42D (bg)



n = 13

Slope = 0.2675 units per year.

Mann-Kendall statistic = 35 critical = 43

Trend not significant at 99% confidence level (α = 0.005 per tail).

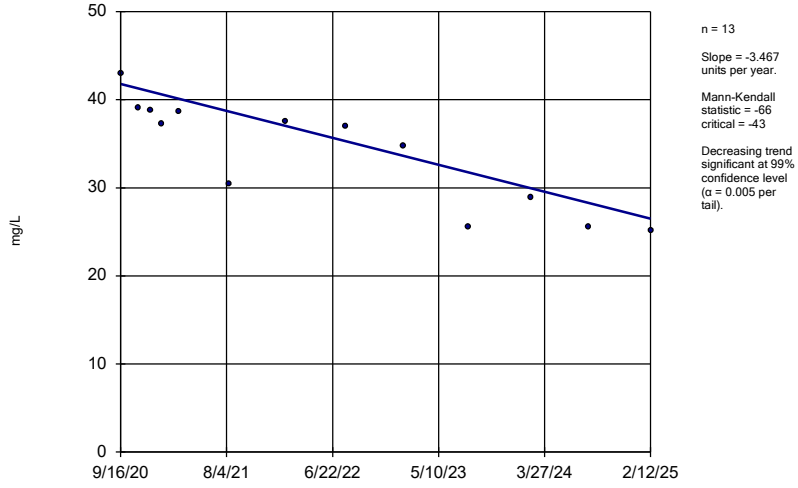
Constituent: Sulfate Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-43D (bg)



n = 13

Slope = -3.467 units per year.

Mann-Kendall statistic = -66 critical = -43

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

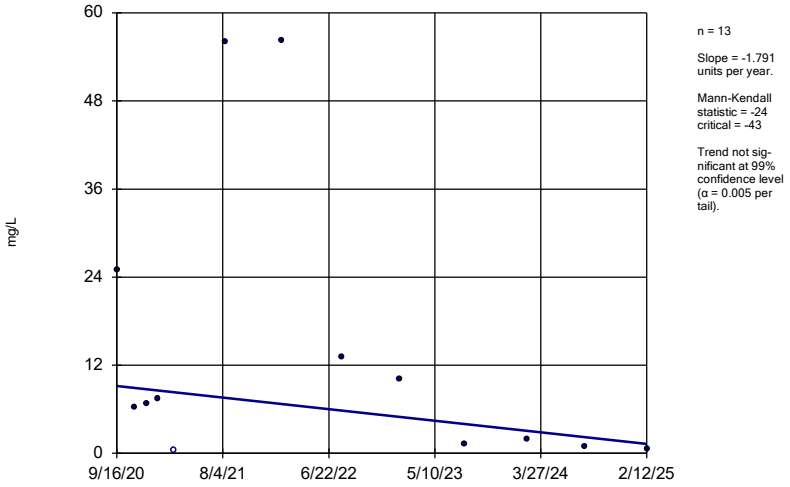
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-44D (bg)



n = 13

Slope = -1.791 units per year.

Mann-Kendall statistic = -24
critical = -43

Trend not significant at 99% confidence level (α = 0.005 per tail).

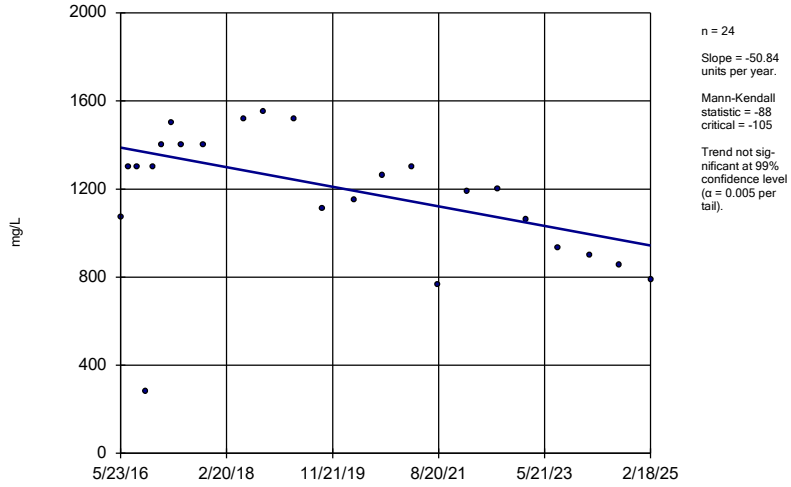
Constituent: Sulfate Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-14



n = 24

Slope = -50.84 units per year.

Mann-Kendall statistic = -88
critical = -105

Trend not significant at 99% confidence level (α = 0.005 per tail).

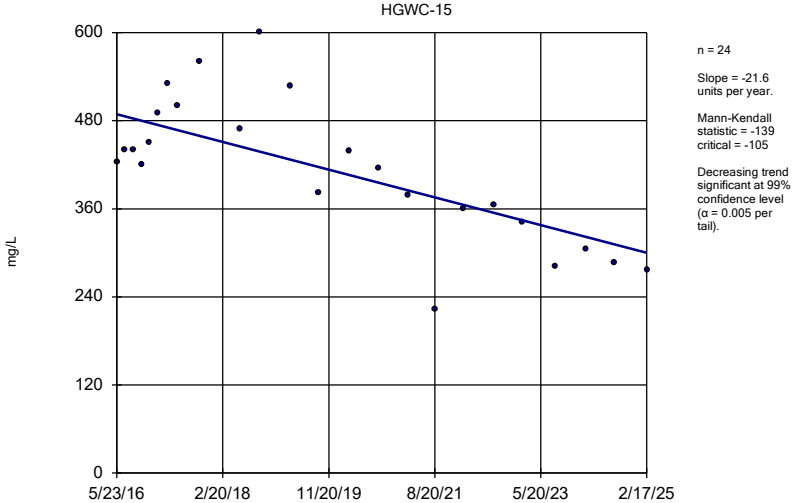
Constituent: Sulfate Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-15



n = 24

Slope = -21.6 units per year.

Mann-Kendall statistic = -139
critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

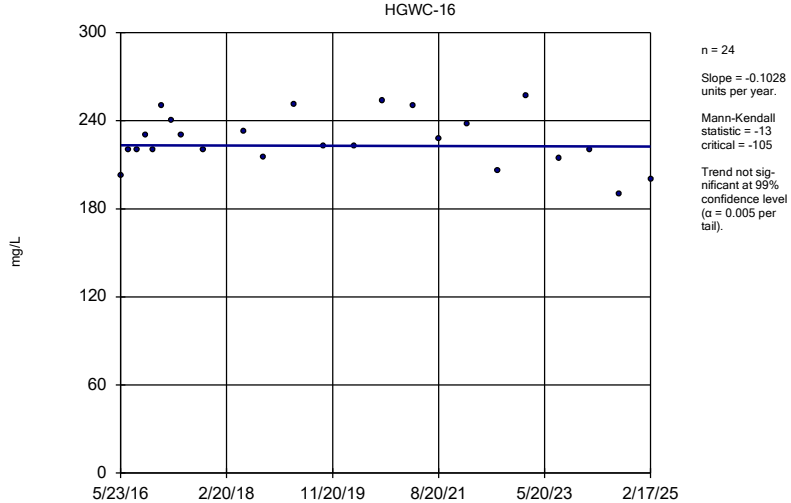
Constituent: Sulfate Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-16



n = 24

Slope = -0.1028 units per year.

Mann-Kendall statistic = -13
critical = -105

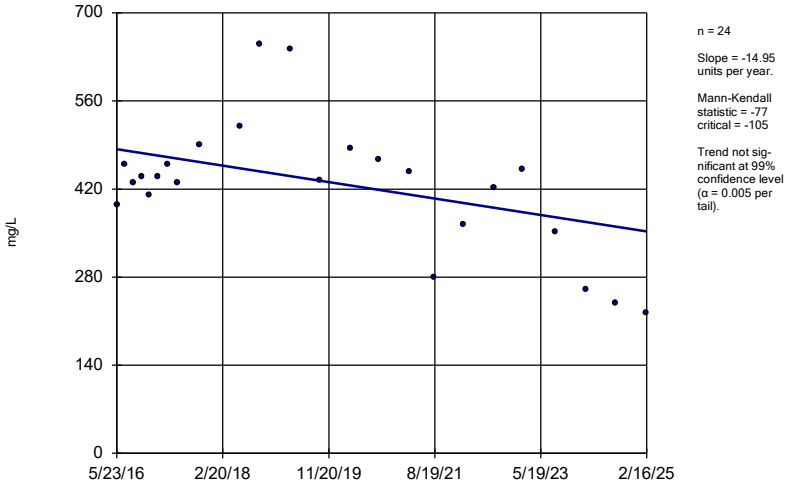
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWC-17



n = 24

Slope = -14.95 units per year.

Mann-Kendall statistic = -77 critical = -105

Trend not significant at 99% confidence level (α = 0.005 per tail).

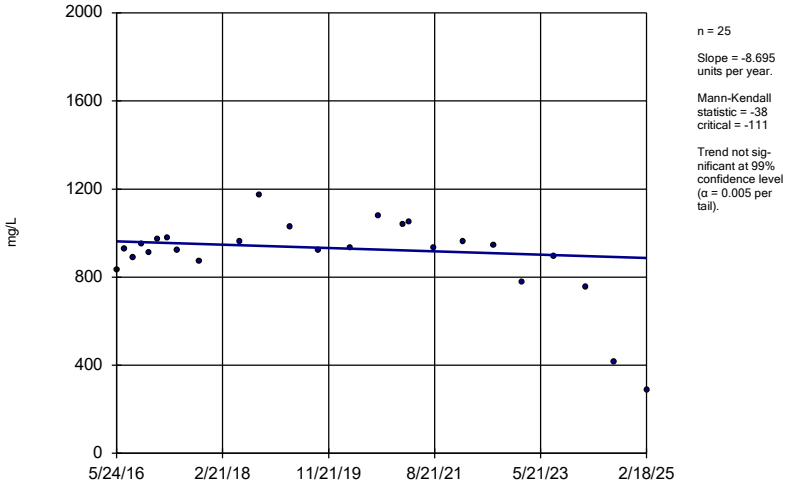
Constituent: Sulfate Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-18



n = 25

Slope = -8.695 units per year.

Mann-Kendall statistic = -38 critical = -111

Trend not significant at 99% confidence level (α = 0.005 per tail).

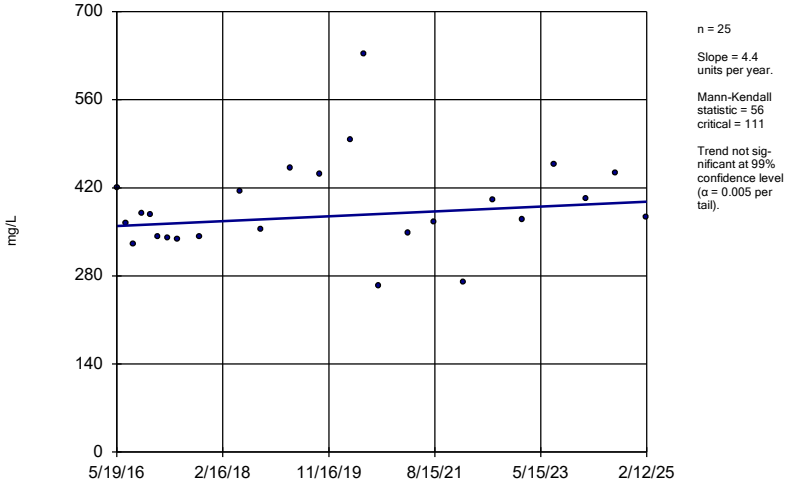
Constituent: Sulfate Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-1 (bg)



n = 25

Slope = 4.4 units per year.

Mann-Kendall statistic = 56 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

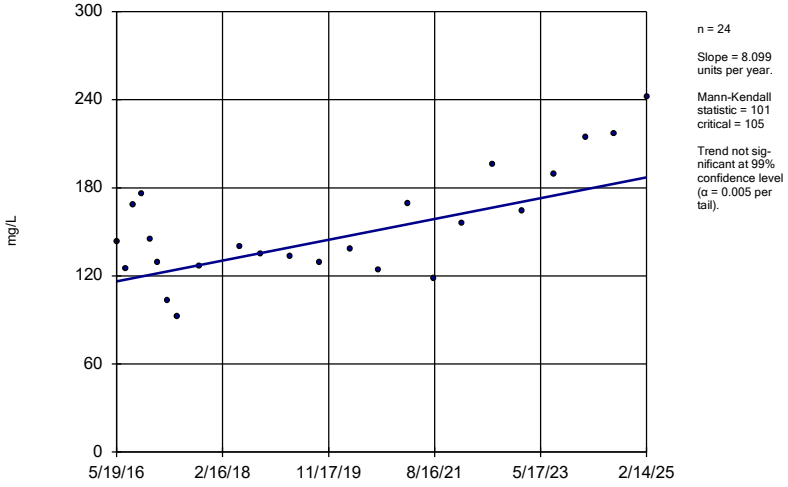
Constituent: TDS Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-2 (bg)



n = 24

Slope = 8.099 units per year.

Mann-Kendall statistic = 101 critical = 105

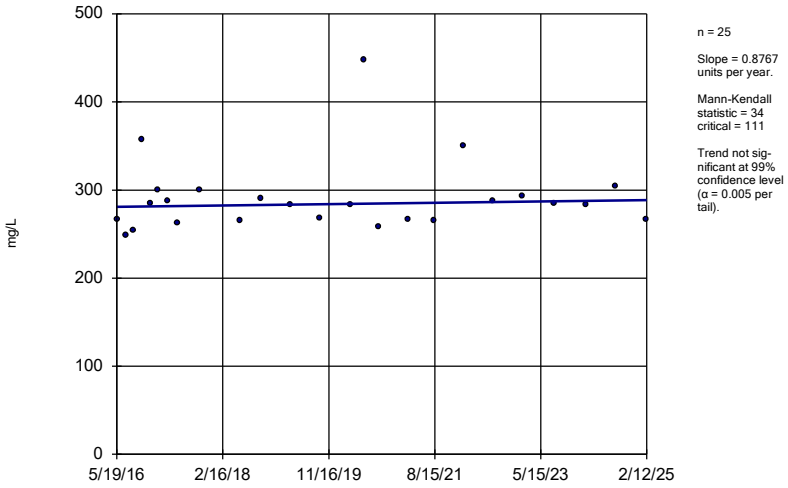
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWA-3 (bg)



n = 25

Slope = 0.8767 units per year.

Mann-Kendall statistic = 34
critical = 111

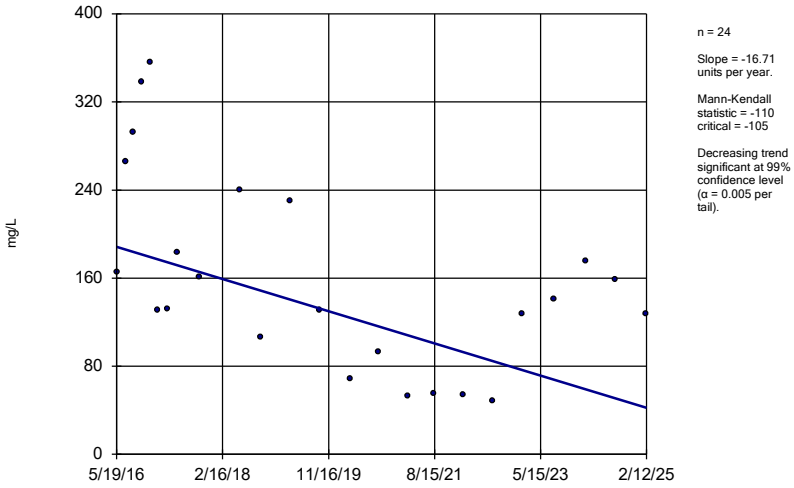
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-4 (bg)



n = 24

Slope = -16.71 units per year.

Mann-Kendall statistic = -110
critical = -105

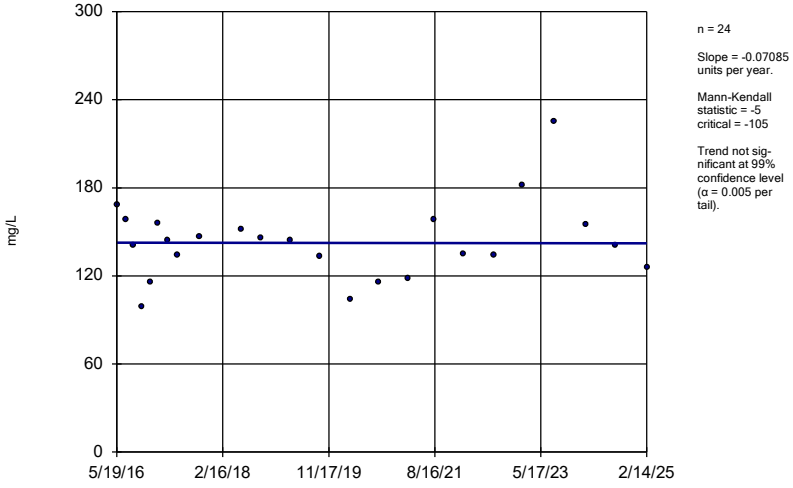
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-5 (bg)



n = 24

Slope = -0.07085 units per year.

Mann-Kendall statistic = -5
critical = -105

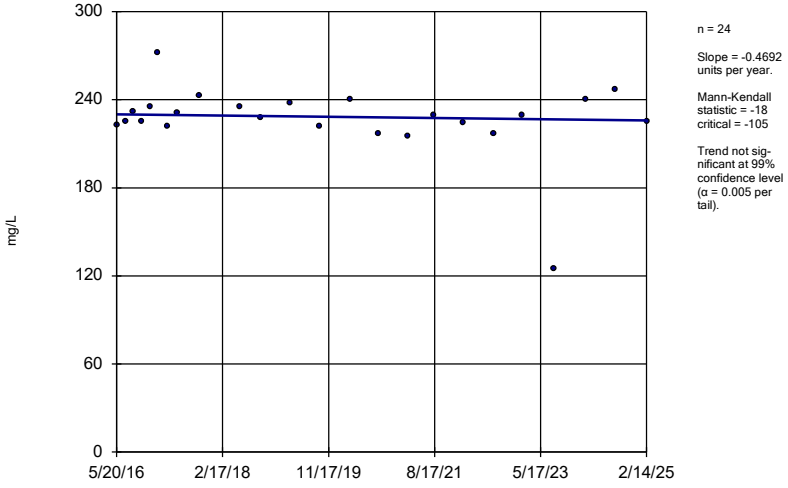
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-6 (bg)



n = 24

Slope = -0.4692 units per year.

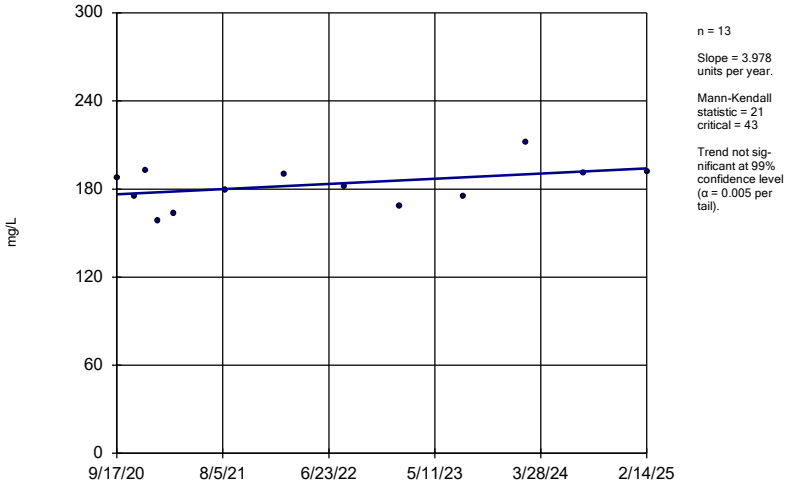
Mann-Kendall statistic = -18
critical = -105

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWA-42D (bg)



n = 13

Slope = 3.978 units per year.

Mann-Kendall statistic = 21 critical = 43

Trend not significant at 99% confidence level (α = 0.005 per tail).

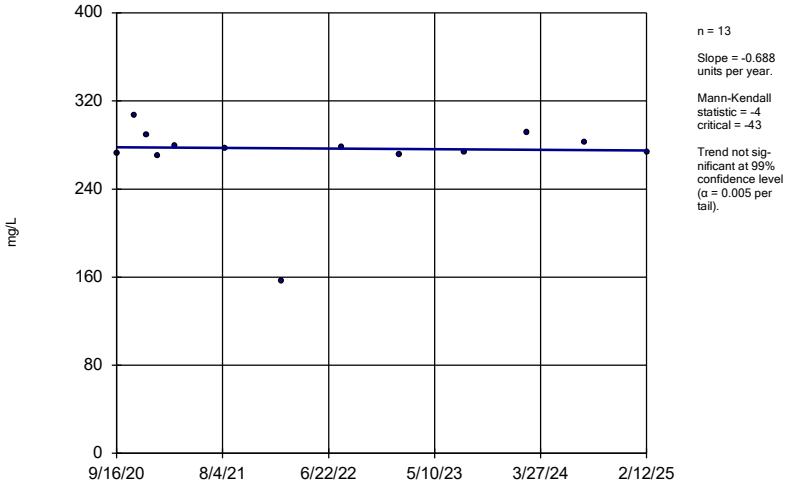
Constituent: TDS Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-43D (bg)



n = 13

Slope = -0.688 units per year.

Mann-Kendall statistic = -4 critical = -43

Trend not significant at 99% confidence level (α = 0.005 per tail).

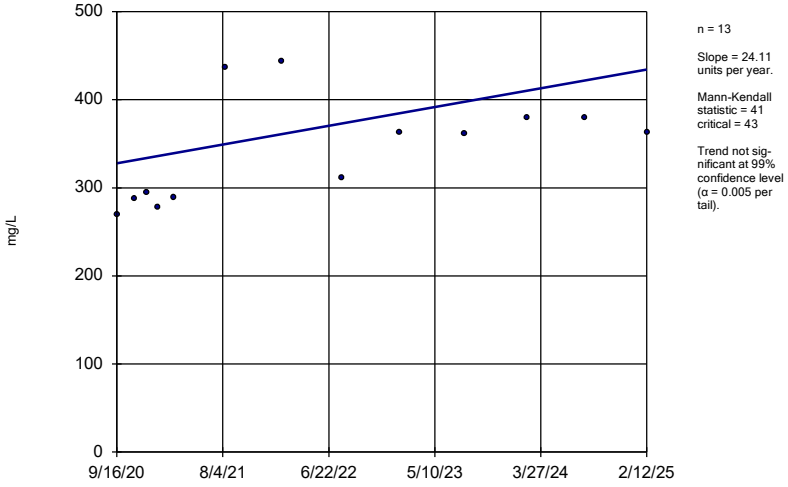
Constituent: TDS Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-44D (bg)



n = 13

Slope = 24.11 units per year.

Mann-Kendall statistic = 41 critical = 43

Trend not significant at 99% confidence level (α = 0.005 per tail).

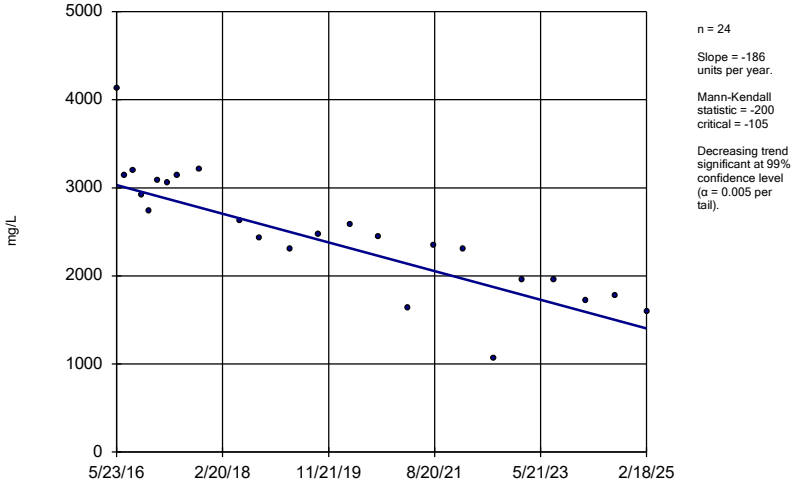
Constituent: TDS Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-14



n = 24

Slope = -186 units per year.

Mann-Kendall statistic = -200 critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

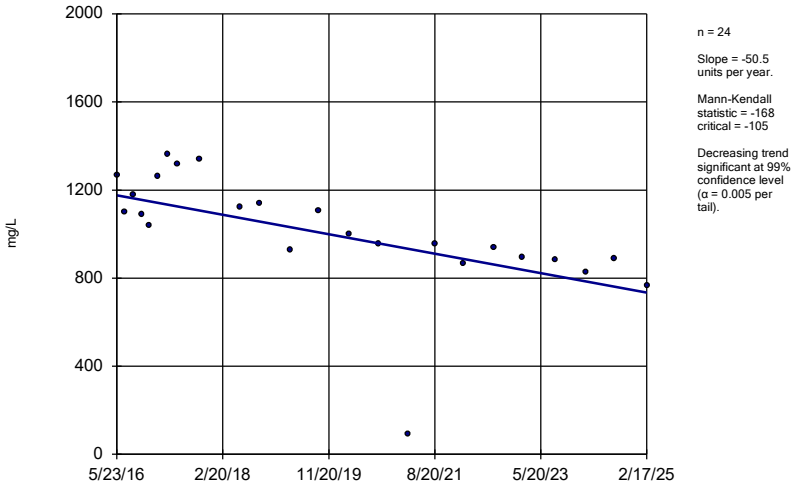
Constituent: TDS Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-15



n = 24

Slope = -50.5 units per year.

Mann-Kendall statistic = -168
critical = -105

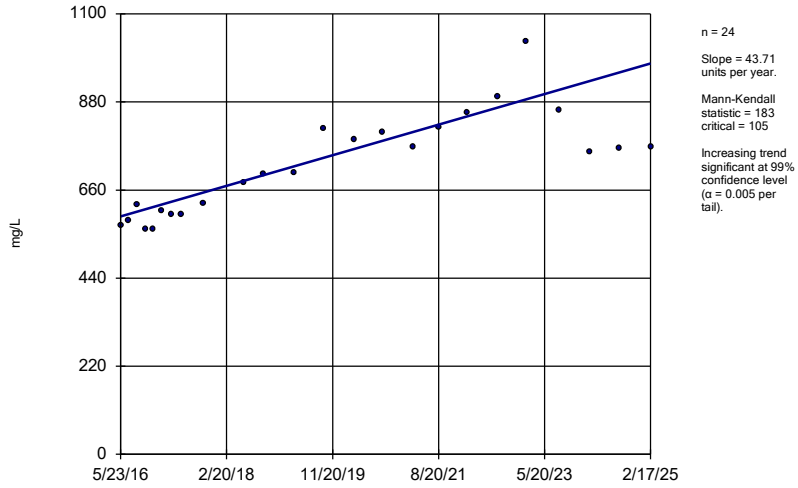
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-16



n = 24

Slope = 43.71 units per year.

Mann-Kendall statistic = 183
critical = 105

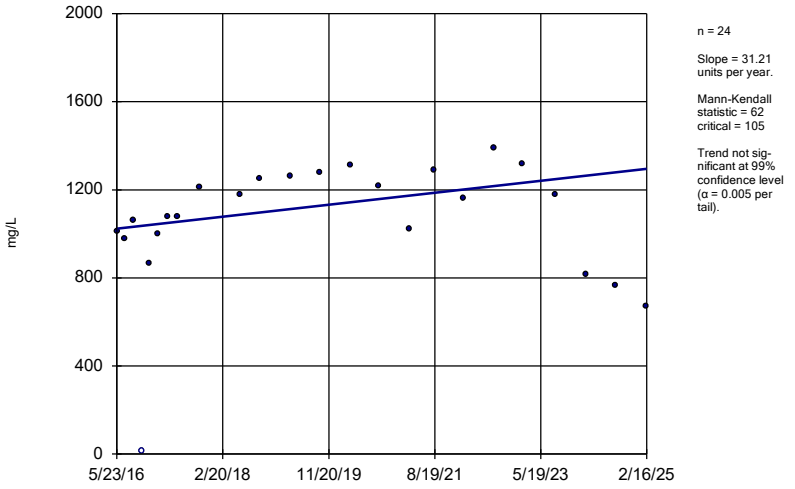
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWC-17



n = 24

Slope = 31.21 units per year.

Mann-Kendall statistic = 62
critical = 105

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 4/29/2025 12:29 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

FIGURE F.

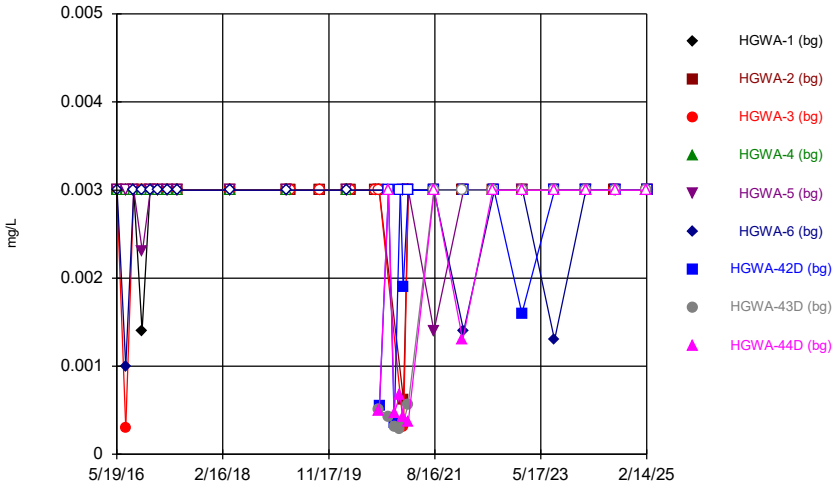
Upper Tolerance Limits - Summary Table

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 4/30/2025, 7:37 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.003	n/a	n/a	n/a	n/a	183	85.79	n/a	n/a	NaN	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	207	83.09	n/a	n/a	NaN	NP Inter(NDs)
Barium (mg/L)	n/a	0.46	n/a	n/a	n/a	n/a	207	0	n/a	n/a	NaN	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	195	82.56	n/a	n/a	NaN	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	207	91.3	n/a	n/a	NaN	NP Inter(NDs)
Chromium (mg/L)	n/a	0.019	n/a	n/a	n/a	n/a	195	87.18	n/a	n/a	NaN	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.038	n/a	n/a	n/a	n/a	207	69.08	n/a	n/a	NaN	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	1.576	n/a	n/a	n/a	n/a	207	0	None	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	1.5	n/a	n/a	n/a	n/a	215	27.91	n/a	n/a	NaN	NP Inter(normality)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	195	77.44	n/a	n/a	NaN	NP Inter(NDs)
Lithium (mg/L)	n/a	0.064	n/a	n/a	n/a	n/a	203	17.73	n/a	n/a	NaN	NP Inter(normality)
Mercury (mg/L)	n/a	0.0002	n/a	n/a	n/a	n/a	158	94.94	n/a	n/a	0.0003022	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.01	n/a	n/a	n/a	n/a	201	84.08	n/a	n/a	NaN	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	207	96.62	n/a	n/a	NaN	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	207	99.03	n/a	n/a	NaN	NP Inter(NDs)

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

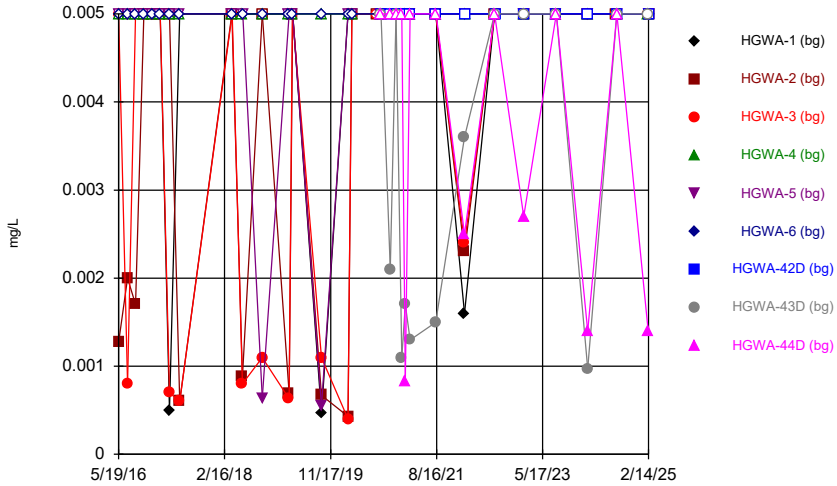
Time Series



Constituent: Antimony Analysis Run 4/30/2025 7:36 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

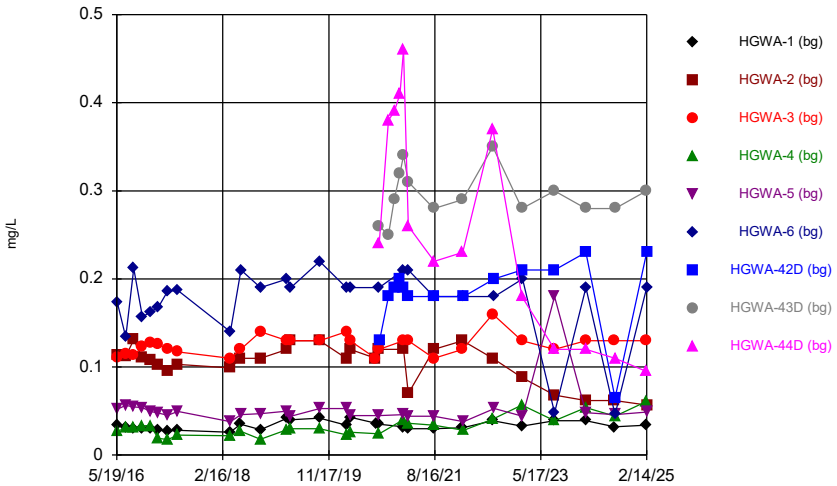
Time Series



Constituent: Arsenic Analysis Run 4/30/2025 7:36 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

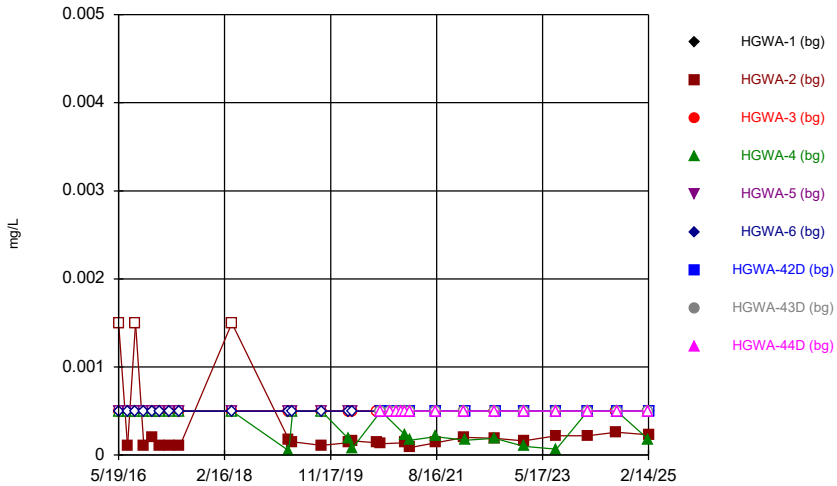
Time Series



Constituent: Barium Analysis Run 4/30/2025 7:36 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

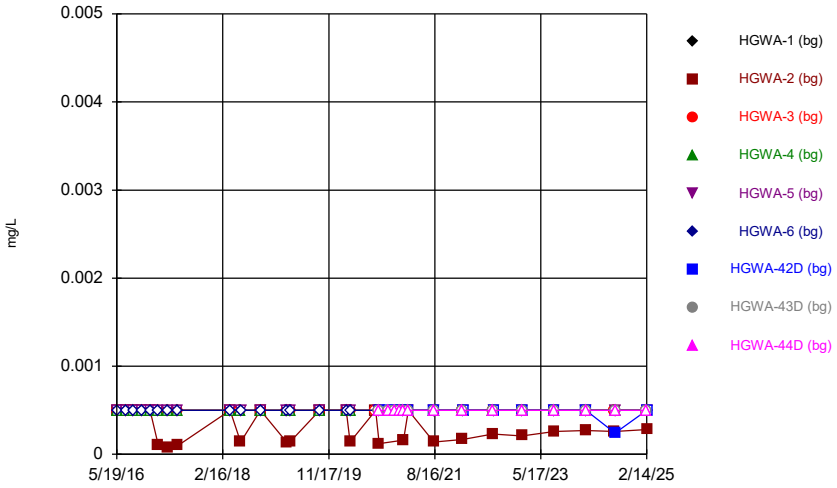
Time Series



Constituent: Beryllium Analysis Run 4/30/2025 7:36 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

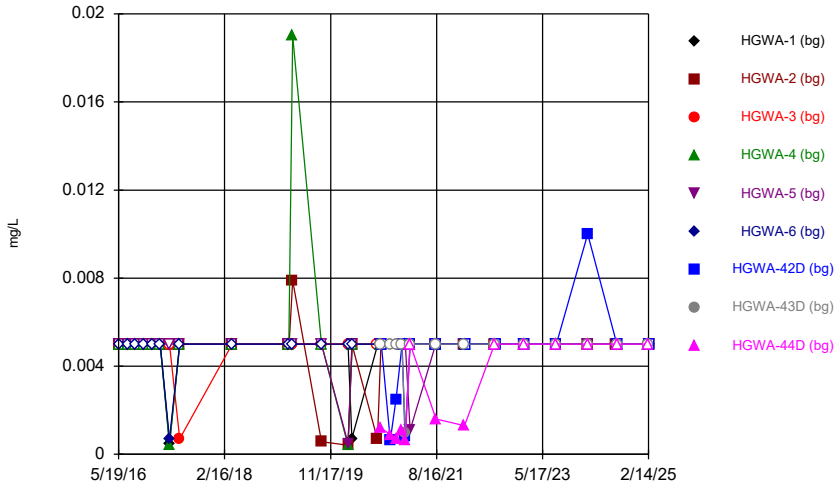
Time Series



Constituent: Cadmium Analysis Run 4/30/2025 7:36 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

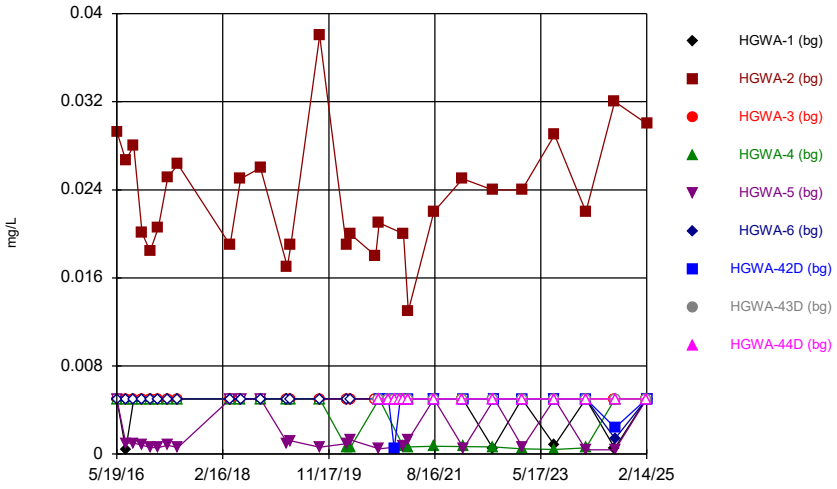
Time Series



Constituent: Chromium Analysis Run 4/30/2025 7:36 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

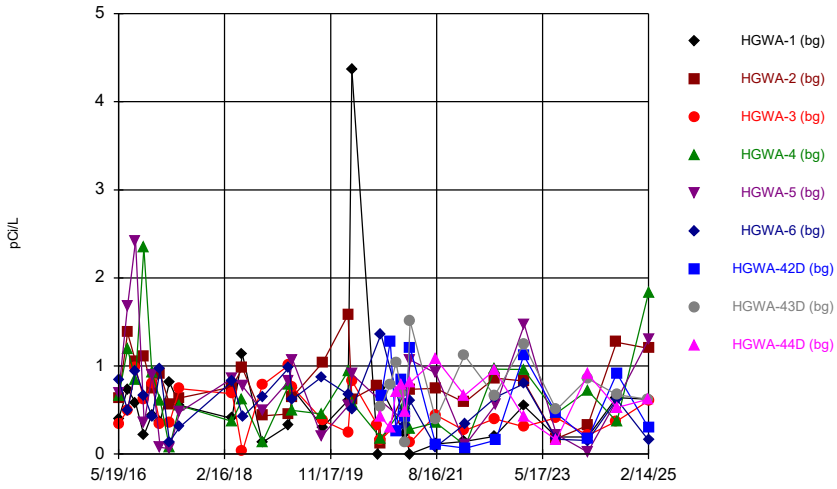
Time Series



Constituent: Cobalt Analysis Run 4/30/2025 7:36 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

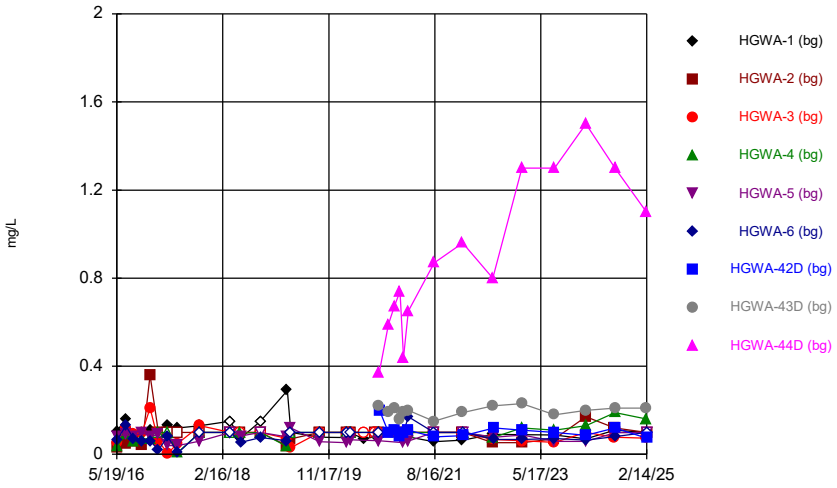
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 4/30/2025 7:36 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

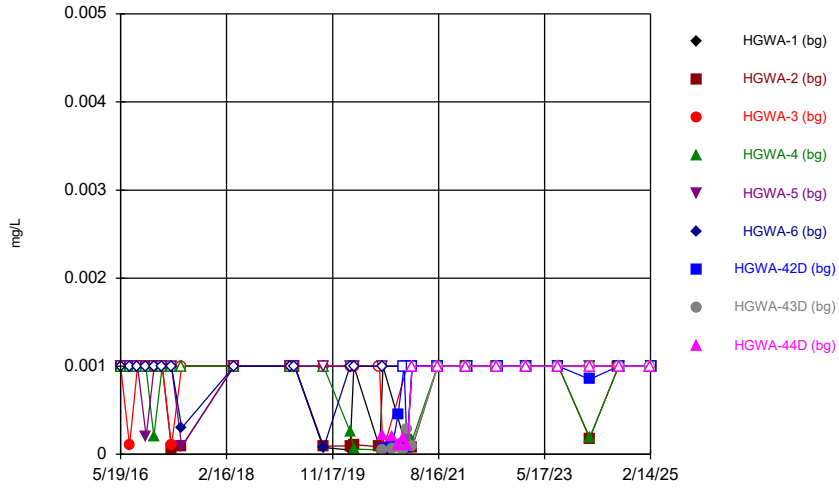
Time Series



Constituent: Fluoride Analysis Run 4/30/2025 7:36 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

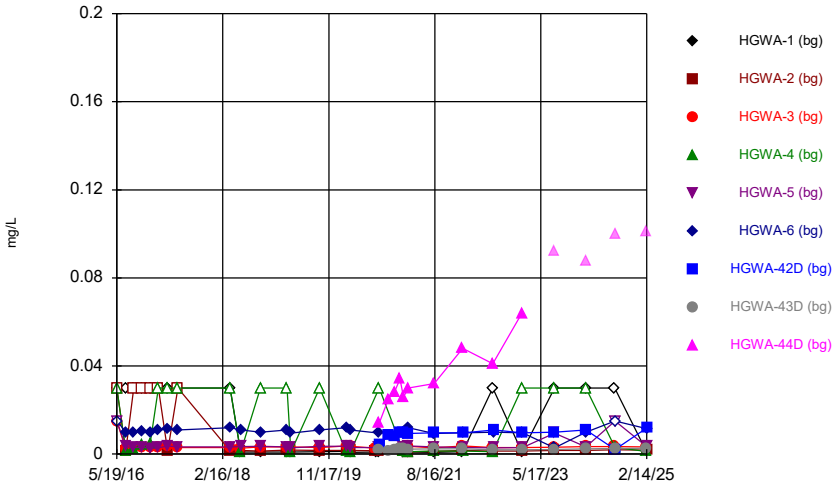
Time Series



Constituent: Lead Analysis Run 4/30/2025 7:36 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

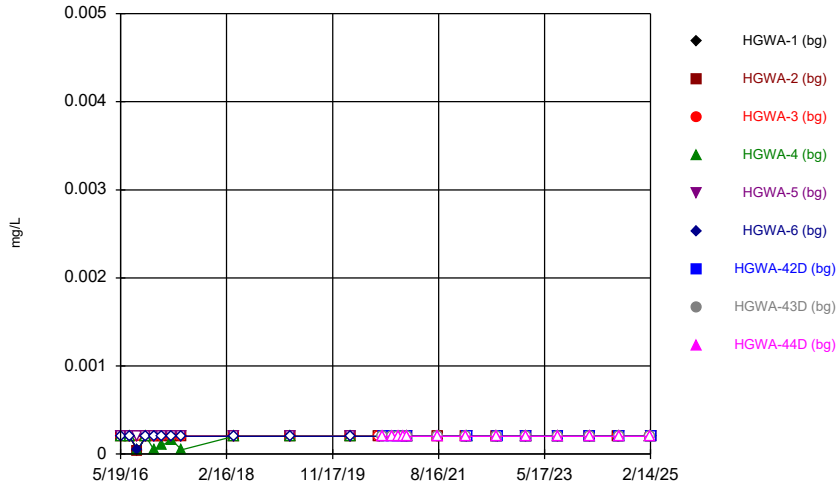
Time Series



Constituent: Lithium Analysis Run 4/30/2025 7:36 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

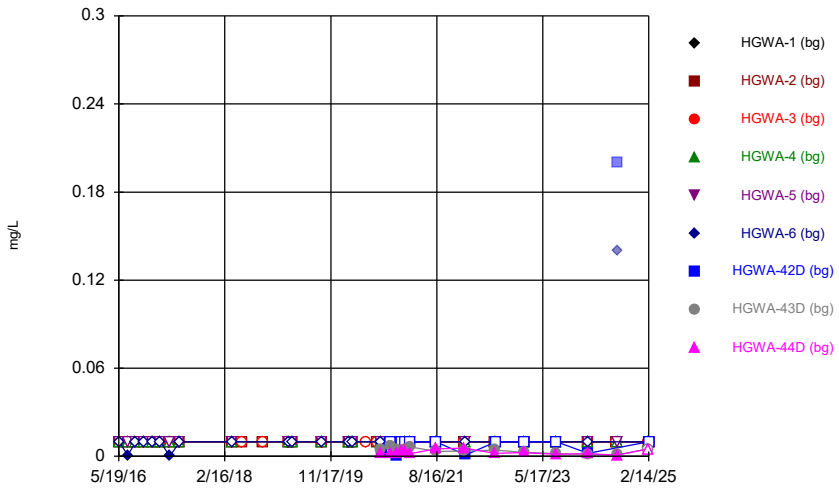
Time Series



Constituent: Mercury Analysis Run 4/30/2025 7:36 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

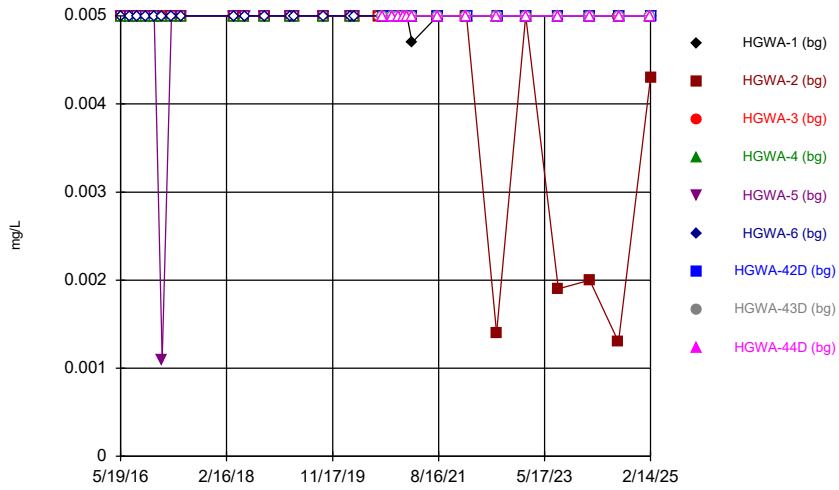
Time Series



Constituent: Molybdenum Analysis Run 4/30/2025 7:36 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

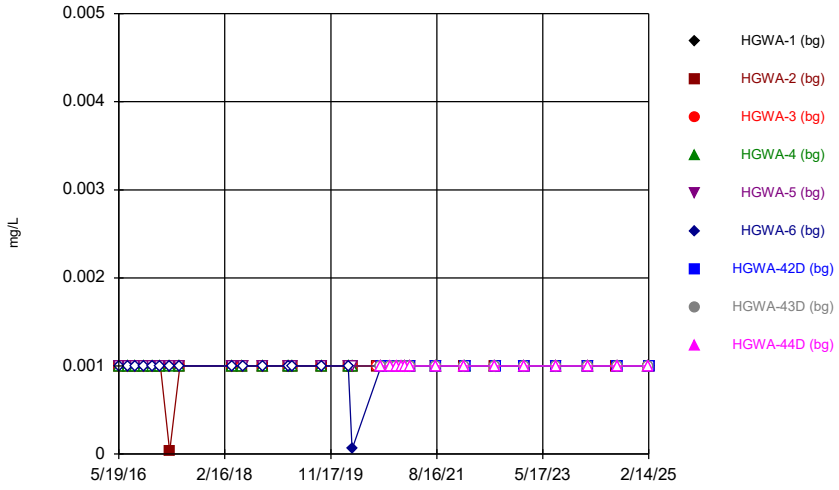
Time Series



Constituent: Selenium Analysis Run 4/30/2025 7:36 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

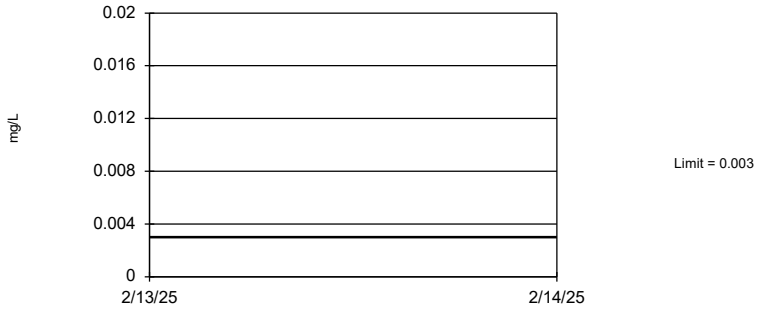
Time Series



Constituent: Thallium Analysis Run 4/30/2025 7:36 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Tolerance Limit

Interwell Non-parametric



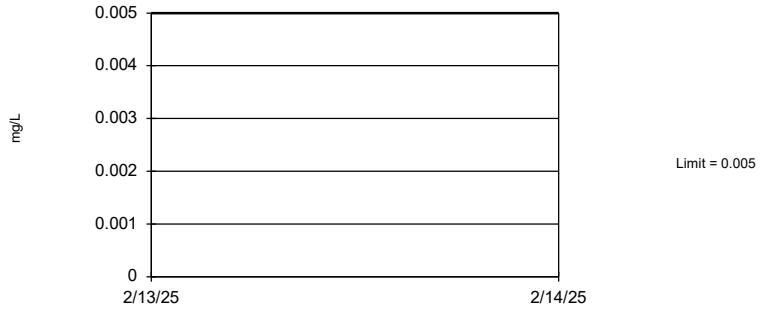
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 183 background values. 85.79% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Antimony Analysis Run 4/30/2025 7:35 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



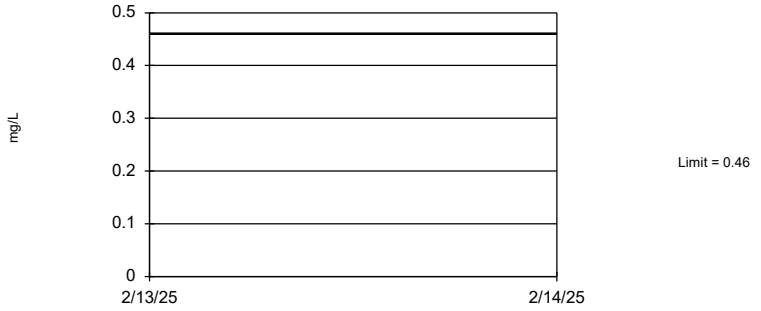
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 207 background values. 83.09% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Arsenic Analysis Run 4/30/2025 7:35 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



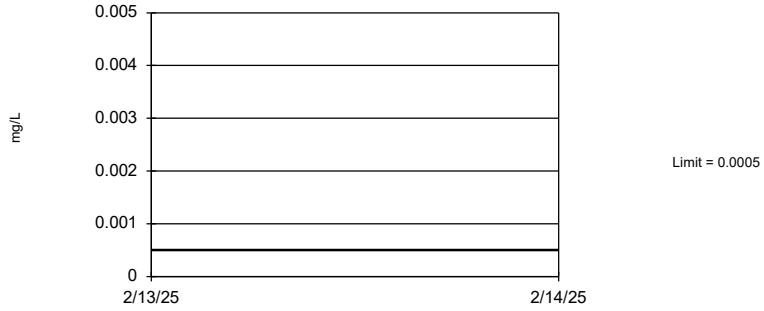
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 207 background values. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Barium Analysis Run 4/30/2025 7:35 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric

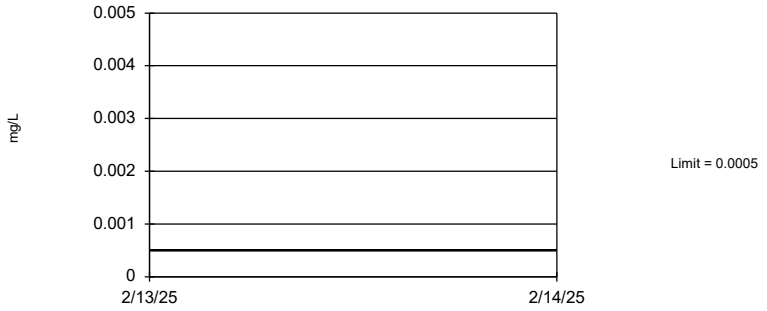


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 195 background values. 82.56% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Beryllium Analysis Run 4/30/2025 7:35 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 207 background values. 91.3% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

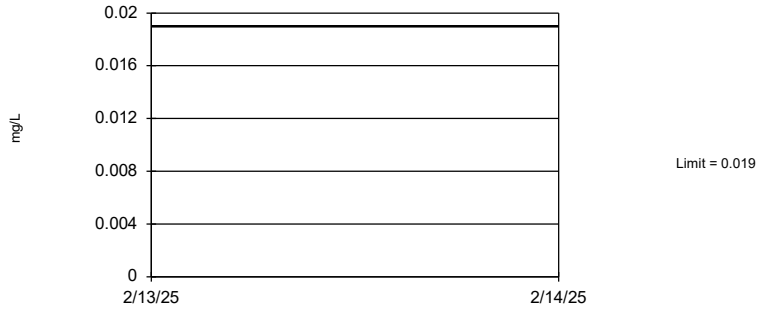
Constituent: Cadmium Analysis Run 4/30/2025 7:35 PM View: UTL

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 195 background values. 87.18% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

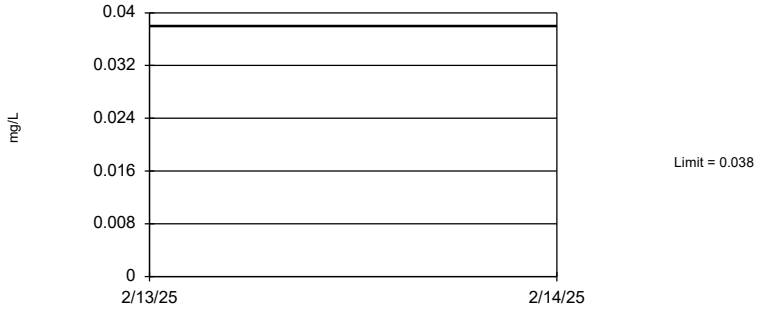
Constituent: Chromium Analysis Run 4/30/2025 7:35 PM View: UTL

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 207 background values. 69.08% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

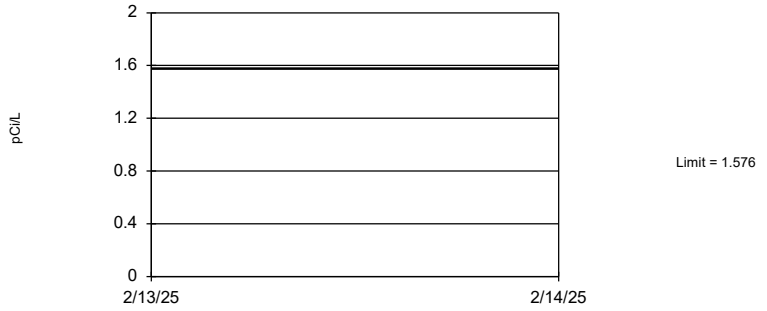
Constituent: Cobalt Analysis Run 4/30/2025 7:35 PM View: UTL

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Parametric



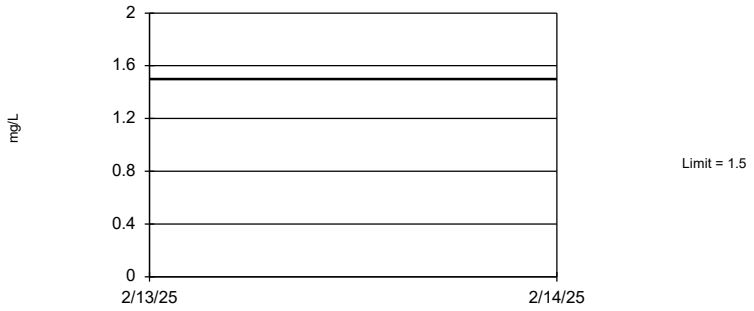
95% coverage. Background Data Summary (based on square root transformation): Mean=0.7508, Std. Dev.=0.2754, n=207. Normality test: Chi Squared @alpha = 0.01, calculated = 11.79, critical = 14.07. Report alpha = 0.05.

Constituent: Combined Radium 226 + 228 Analysis Run 4/30/2025 7:35 PM View: UTL

Plant Hammond Client: Southern Company Data: Hammond AP2

Tolerance Limit

Interwell Non-parametric



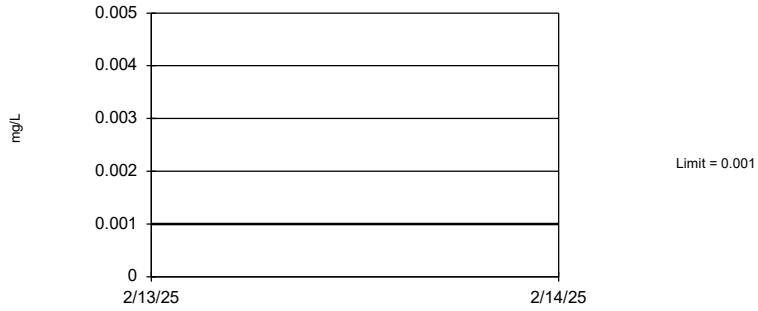
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 215 background values. 27.91% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Fluoride Analysis Run 4/30/2025 7:35 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



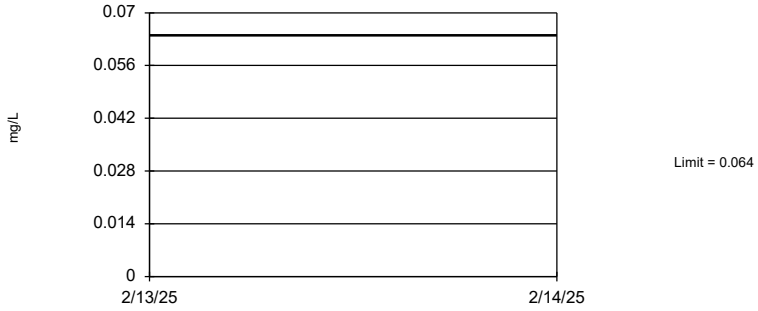
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 195 background values. 77.44% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Lead Analysis Run 4/30/2025 7:35 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



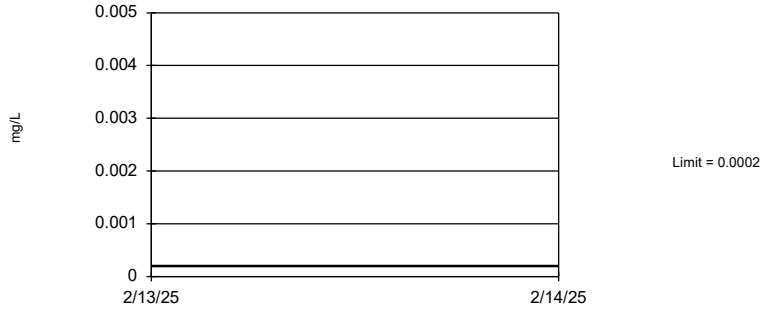
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 203 background values. 17.73% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Lithium Analysis Run 4/30/2025 7:35 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 158 background values. 94.94% NDs. 97.07% coverage at alpha=0.01; 98.24% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0003022.

Constituent: Mercury Analysis Run 4/30/2025 7:35 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 201 background values. 84.08% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Molybdenum Analysis Run 4/30/2025 7:35 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



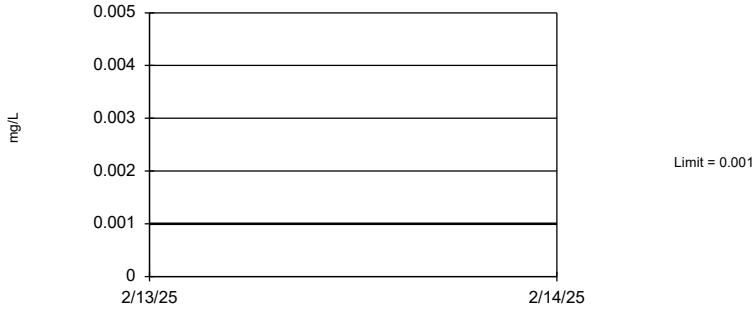
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 207 background values. 96.62% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Selenium Analysis Run 4/30/2025 7:35 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 207 background values. 99.03% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Thallium Analysis Run 4/30/2025 7:35 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

FIGURE G.

PLANT HAMMOND AP-2 GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.003	0.006
Arsenic, Total (mg/L)	0.01		0.005	0.01
Barium, Total (mg/L)	2		0.46	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.019	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.038	0.038
Combined Radium, Total (pCi/L)	5		1.58	5
Fluoride, Total (mg/L)	4		1.5	4
Lead, Total (mg/L)	n/a	0.015	0.001	0.015
Lithium, Total (mg/L)	n/a	0.04	0.064	0.064
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.01	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

**Grey cell indidcates background is higher than MCL or CCR-Rule*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

**GWPS = Groundwater Protection Statard*

FIGURE H.

Confidence Interval Summary Table - Significant Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 4/30/2025, 8:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**HGWC-18**	**0.1772**	**0.1443**	**0.038**	**Yes**	**28**	**0.1608**	**0.03523**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**MW-33**	**0.05764**	**0.04293**	**0.038**	**Yes**	**14**	**0.05029**	**0.01038**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**MW-35**	**0.09167**	**0.08278**	**0.038**	**Yes**	**12**	**0.08725**	**0.005754**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**

Confidence Interval Summary Table - All Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 4/30/2025, 8:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	HGWC-14	0.0032	0.001	0.006	No	21	0.002663	0.0008819	80.95	None	No	0.01	NP (NDs)
Antimony (mg/L)	HGWC-15	0.003	0.002	0.006	No	21	0.002541	0.0007729	66.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	HGWC-18	0.003	0.0008	0.006	No	21	0.002895	0.0004801	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-22	0.003	0.0016	0.006	No	12	0.002883	0.0004041	91.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-23D	0.003	0.00057	0.006	No	12	0.002798	0.0007015	91.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-33	0.003	0.003	0.006	No	10	0.002746	0.0008032	90	None	No	0.011	NP (NDs)
Antimony (mg/L)	MW-34D	0.003	0.0018	0.006	No	8	0.00285	0.0004243	87.5	None	No	0.004	NP (NDs)
Antimony (mg/L)	MW-35	0.003	0.0029	0.006	No	10	0.002731	0.0008161	80	None	No	0.011	NP (NDs)
Antimony (mg/L)	MW-37D	0.003	0.003	0.006	No	10	0.002779	0.0006989	90	None	No	0.011	NP (NDs)
Arsenic (mg/L)	HGWC-14	0.006673	0.004093	0.01	No	27	0.005636	0.002974	11.11	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	HGWC-15	0.005	0.0008	0.01	No	27	0.004494	0.001461	88.89	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-16	0.005	0.0012	0.01	No	27	0.004367	0.001558	85.19	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-17	0.005	0.0028	0.01	No	27	0.004032	0.001707	74.07	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-18	0.006321	0.00435	0.01	No	27	0.005336	0.002065	3.704	None	No	0.01	Param.
Arsenic (mg/L)	MW-21D	0.005	0.003	0.01	No	17	0.004146	0.001667	76.47	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-22	0.005	0.00045	0.01	No	16	0.004716	0.001137	93.75	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-23D	0.005	0.001	0.01	No	16	0.004236	0.001642	81.25	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-33	0.007591	0.003424	0.01	No	13	0.005508	0.002802	7.692	None	No	0.01	Param.
Arsenic (mg/L)	MW-34D	0.004473	0.001577	0.01	No	10	0.003669	0.00167	20	Kaplan-Meier	x^2	0.01	Param.
Arsenic (mg/L)	MW-35	0.006039	0.004342	0.01	No	12	0.005508	0.0009718	25	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	MW-37D	0.005	0.0021	0.01	No	12	0.004196	0.001488	75	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-51	0.005563	0.002832	0.01	No	8	0.004487	0.001303	25	Kaplan-Meier	No	0.01	Param.
Barium (mg/L)	HGWC-14	0.0214	0.018	2	No	27	0.02356	0.02044	3.704	None	No	0.01	NP (normality)
Barium (mg/L)	HGWC-15	0.02509	0.01705	2	No	27	0.02107	0.008422	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-16	0.1093	0.0994	2	No	27	0.1043	0.01035	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-17	0.0263	0.02373	2	No	27	0.02501	0.002695	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-18	0.032	0.026	2	No	27	0.0306	0.01483	3.704	None	No	0.01	NP (normality)
Barium (mg/L)	MW-21D	0.0599	0.03881	2	No	17	0.04935	0.01683	0	None	No	0.01	Param.
Barium (mg/L)	MW-22	0.02441	0.01458	2	No	16	0.02044	0.009273	0	None	ln(x)	0.01	Param.
Barium (mg/L)	MW-23D	0.06125	0.04538	2	No	16	0.05331	0.0122	0	None	No	0.01	Param.
Barium (mg/L)	MW-33	0.02578	0.01945	2	No	13	0.02262	0.004253	0	None	No	0.01	Param.
Barium (mg/L)	MW-34D	0.04189	0.03231	2	No	10	0.0371	0.005363	0	None	No	0.01	Param.
Barium (mg/L)	MW-35	0.02733	0.02167	2	No	12	0.0245	0.003606	0	None	No	0.01	Param.
Barium (mg/L)	MW-37D	0.1589	0.1211	2	No	12	0.14	0.02412	0	None	No	0.01	Param.
Barium (mg/L)	MW-51	0.03702	0.02395	2	No	8	0.03038	0.007009	0	None	ln(x)	0.01	Param.
Beryllium (mg/L)	HGWC-14	0.00056	0.0004	0.004	No	25	0.0005428	0.0002978	8	None	No	0.01	NP (normality)
Beryllium (mg/L)	HGWC-17	0.0005	0.0001	0.004	No	25	0.0004133	0.0001772	80	None	No	0.01	NP (NDs)
Beryllium (mg/L)	HGWC-18	0.003235	0.002579	0.004	No	25	0.002907	0.0006577	4	None	No	0.01	Param.
Beryllium (mg/L)	MW-22	0.0005	0.00007	0.004	No	16	0.0003388	0.0002151	62.5	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-33	0.001014	0.000698	0.004	No	13	0.0008323	0.000265	0	None	x^2	0.01	Param.
Beryllium (mg/L)	MW-34D	0.0005	0.00015	0.004	No	10	0.0004215	0.0001667	80	None	No	0.011	NP (NDs)
Beryllium (mg/L)	MW-35	0.0006287	0.0004213	0.004	No	12	0.000525	0.0001322	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-37D	0.0005	0.00012	0.004	No	12	0.0004683	0.0001097	91.67	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-51	0.0004379	0.0001546	0.004	No	8	0.0002963	0.0001336	0	None	No	0.01	Param.
Cadmium (mg/L)	HGWC-14	0.0005	0.00011	0.005	No	27	0.0003325	0.0001925	55.56	None	No	0.01	NP (NDs)
Cadmium (mg/L)	HGWC-15	0.001988	0.001235	0.005	No	27	0.001611	0.000789	0	None	No	0.01	Param.
Cadmium (mg/L)	HGWC-17	0.0005	0.00015	0.005	No	27	0.0004711	0.0001047	92.59	None	No	0.01	NP (NDs)
Cadmium (mg/L)	HGWC-18	0.0023	0.0016	0.005	No	27	0.002159	0.00167	3.704	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-22	0.002027	0.001619	0.005	No	16	0.001754	0.000454	0	None	x^3	0.01	Param.
Cadmium (mg/L)	MW-23D	0.0025	0.00014	0.005	No	16	0.0009637	0.00108	31.25	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-33	0.00024	0.00014	0.005	No	13	0.0002615	0.0002987	7.692	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-34D	0.001871	0.0003364	0.005	No	10	0.001423	0.001019	20	Kaplan-Meier	No	0.01	Param.
Cadmium (mg/L)	MW-35	0.001618	0.00107	0.005	No	12	0.001344	0.000349	0	None	No	0.01	Param.
Cadmium (mg/L)	MW-51	0.001268	0.0001747	0.005	No	8	0.0007213	0.0005157	0	None	No	0.01	Param.
Chromium (mg/L)	HGWC-14	0.005	0.00066	0.1	No	25	0.004643	0.001235	92	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-15	0.005	0.0012	0.1	No	25	0.004484	0.001431	88	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-16	0.005	0.0021	0.1	No	25	0.004528	0.001329	88	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-17	0.005	0.0018	0.1	No	25	0.004529	0.001314	88	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-18	0.005	0.00063	0.1	No	25	0.004461	0.00149	88	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-21D	0.005	0.00074	0.1	No	17	0.004489	0.001443	88.24	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-22	0.005	0.00075	0.1	No	16	0.004447	0.001513	87.5	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-23D	0.005	0.00086	0.1	No	16	0.004481	0.001419	87.5	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-33	0.005	0.0028	0.1	No	13	0.004499	0.001296	84.62	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-34D	0.005	0.005	0.1	No	10	0.00509	0.0002846	90	None	No	0.011	NP (NDs)
Chromium (mg/L)	MW-35	0.005	0.00083	0.1	No	12	0.004302	0.001631	83.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-37D	0.005	0.0048	0.1	No	12	0.004683	0.001036	83.33	None	No	0.01	NP (NDs)
Cobalt (mg/L)	HGWC-14	0.035	0.0253	0.038	No	27	0.03321	0.01901	3.704	None	No	0.01	NP (normality)
Cobalt (mg/L)	HGWC-15	0.03824	0.01994	0.038	No	27	0.02909	0.01918	0	None	No	0.01	Param.

Confidence Interval Summary Table - All Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 4/30/2025, 8:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	HGWC-16	0.005	0.00037	0.038	No	27	0.004654	0.001248	92.59	None	No	0.01	NP (NDs)
Cobalt (mg/L)	HGWC-17	0.01511	0.01182	0.038	No	27	0.01288	0.004345	3.704	None	x^2	0.01	Param.
Cobalt (mg/L)	**HGWC-18**	**0.1772**	**0.1443**	**0.038**	**Yes**	**28**	**0.1608**	**0.03523**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MW-21D	0.005	0.00034	0.038	No	17	0.004726	0.00113	94.12	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-22	0.03278	0.02033	0.038	No	16	0.02656	0.009569	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-23D	0.0012	0.00081	0.038	No	16	0.001068	0.000416	6.25	None	No	0.01	NP (normality)
Cobalt (mg/L)	**MW-33**	**0.05764**	**0.04293**	**0.038**	**Yes**	**14**	**0.05029**	**0.01038**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MW-34D	0.008673	0.005027	0.038	No	10	0.00685	0.002044	0	None	No	0.01	Param.
Cobalt (mg/L)	**MW-35**	**0.09167**	**0.08278**	**0.038**	**Yes**	**12**	**0.08725**	**0.005754**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Cobalt (mg/L)	MW-37D	0.005	0.0015	0.038	No	12	0.004332	0.001576	83.33	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-51	0.03719	0.01731	0.038	No	8	0.02725	0.009377	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-14	1.46	1.009	5	No	27	1.234	0.4732	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-15	0.8178	0.4465	5	No	27	0.6321	0.3892	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-16	0.8662	0.4955	5	No	27	0.6808	0.3886	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-17	0.9665	0.6666	5	No	27	0.8166	0.3144	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-18	2.033	1.473	5	No	27	1.753	0.5867	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-21D	0.8932	0.4068	5	No	17	0.683	0.4274	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-22	0.9461	0.4459	5	No	16	0.696	0.3844	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-23D	0.9265	0.4552	5	No	16	0.6909	0.3622	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-33	1.932	0.8965	5	No	13	1.414	0.6962	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-34D	1.004	0.4652	5	No	10	0.7344	0.3017	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-35	2.069	0.8903	5	No	12	1.51	0.8535	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-37D	1.057	0.3103	5	No	12	0.6838	0.4759	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-51	1.01	0.4656	5	No	8	0.7258	0.2537	0	None	ln(x)	0.01	Param.
Fluoride (mg/L)	HGWC-14	0.158	0.07802	4	No	28	0.1594	0.144	17.86	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	HGWC-15	0.12	0.086	4	No	28	0.129	0.1085	35.71	None	No	0.01	NP (normality)
Fluoride (mg/L)	HGWC-16	0.1045	0.04441	4	No	28	0.1378	0.1105	50	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	HGWC-17	0.1255	0.05841	4	No	28	0.1946	0.1979	25	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	HGWC-18	0.5603	0.3452	4	No	28	0.4528	0.2302	3.571	None	No	0.01	Param.
Fluoride (mg/L)	MW-21D	0.1	0.1	4	No	17	0.09318	0.01606	76.47	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-22	0.13	0.064	4	No	16	0.1045	0.05032	62.5	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-23D	0.14	0.074	4	No	16	0.09813	0.02525	62.5	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-33	0.2678	0.1257	4	No	14	0.1967	0.1003	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-34D	0.08987	0.06184	4	No	10	0.0831	0.01811	30	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	MW-35	0.1107	0.05862	4	No	12	0.08467	0.03319	8.333	None	No	0.01	Param.
Fluoride (mg/L)	MW-37D	0.09097	0.05703	4	No	12	0.074	0.02162	8.333	None	No	0.01	Param.
Fluoride (mg/L)	MW-51	0.1514	0.07057	4	No	8	0.111	0.03814	0	None	No	0.01	Param.
Lead (mg/L)	HGWC-14	0.001588	0.001187	0.015	No	25	0.001387	0.000402	8	None	No	0.01	Param.
Lead (mg/L)	HGWC-15	0.001	0.001	0.015	No	25	0.000857	0.0003352	80	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-16	0.001	0.00016	0.015	No	25	0.0006809	0.0004351	64	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-17	0.001	0.00013	0.015	No	25	0.0006646	0.0004277	60	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-18	0.001325	0.0009636	0.015	No	25	0.001144	0.0003628	8	None	No	0.01	Param.
Lead (mg/L)	MW-21D	0.001	0.00066	0.015	No	17	0.0008134	0.0003706	76.47	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-22	0.001	0.0001	0.015	No	16	0.0008269	0.0003724	81.25	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-23D	0.001	0.00016	0.015	No	16	0.0008882	0.0003062	87.5	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-33	0.001597	0.0007456	0.015	No	13	0.001404	0.0005061	15.38	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	MW-34D	0.001	0.001	0.015	No	10	0.000987	0.00004111	90	Kaplan-Meier	No	0.011	NP (NDs)
Lead (mg/L)	MW-35	0.0007266	0.0003109	0.015	No	12	0.000695	0.0003037	33.33	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	MW-37D	0.0017	0.00039	0.015	No	12	0.000931	0.000387	75	Kaplan-Meier	No	0.01	NP (NDs)
Lithium (mg/L)	HGWC-14	0.03	0.0029	0.064	No	27	0.02791	0.007536	92.59	None	No	0.01	NP (NDs)
Lithium (mg/L)	HGWC-15	0.007193	0.002703	0.064	No	27	0.01341	0.01245	22.22	Kaplan-Meier	ln(x)	0.01	Param.
Lithium (mg/L)	HGWC-16	0.0041	0.0029	0.064	No	27	0.003823	0.002325	3.704	None	No	0.01	NP (normality)
Lithium (mg/L)	HGWC-17	0.03	0.0012	0.064	No	27	0.01297	0.01439	40.74	None	No	0.01	NP (normality)
Lithium (mg/L)	HGWC-18	0.01371	0.01161	0.064	No	27	0.01266	0.002201	0	None	No	0.01	Param.
Lithium (mg/L)	MW-21D	0.02361	0.01786	0.064	No	17	0.02035	0.005084	0	None	x^2	0.01	Param.
Lithium (mg/L)	MW-22	0.002	0.0011	0.064	No	16	0.002993	0.004692	12.5	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-23D	0.0028	0.0019	0.064	No	16	0.003011	0.003216	6.25	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-33	0.0022	0.000839	0.064	No	13	0.005531	0.01087	15.38	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-34D	0.03	0.0011	0.064	No	10	0.00728	0.01198	20	None	No	0.011	NP (normality)
Lithium (mg/L)	MW-35	0.0046	0.0031	0.064	No	12	0.004641	0.003304	8.333	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-37D	0.03225	0.02218	0.064	No	12	0.02722	0.006414	0	None	No	0.01	Param.
Lithium (mg/L)	MW-51	0.015	0.00098	0.064	No	8	0.003202	0.004784	12.5	None	No	0.004	NP (normality)
Mercury (mg/L)	HGWC-15	0.024	0.0002	0.002	No	20	0.00139	0.005322	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	HGWC-18	0.0002	0.00009	0.002	No	20	0.0001675	0.00005848	75	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-22	0.0002	0.0002	0.002	No	10	0.000196	0.00001265	90	None	No	0.011	NP (NDs)
Mercury (mg/L)	MW-23D	0.0002	0.0002	0.002	No	10	0.000197	0.00000948	90	None	No	0.011	NP (NDs)
Mercury (mg/L)	MW-35	0.00084	0.00014	0.002	No	8	0.0002837	0.000234	50	None	No	0.004	NP (normality)
Mercury (mg/L)	MW-51	0.0002	0.00013	0.002	No	7	0.00019	0.00002646	85.71	None	No	0.008	NP (NDs)

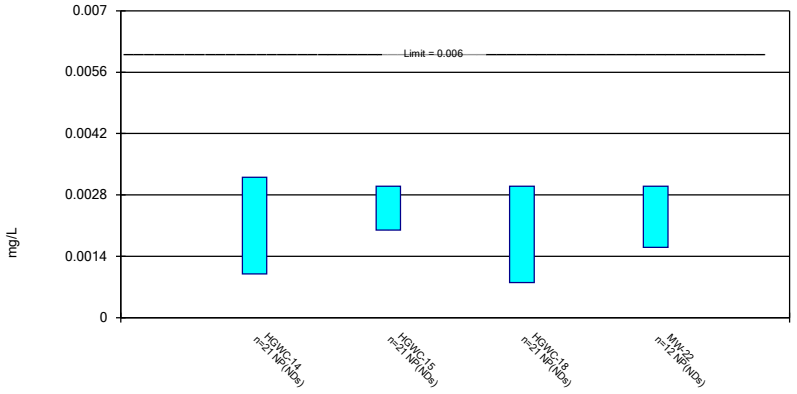
Confidence Interval Summary Table - All Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 4/30/2025, 8:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Molybdenum (mg/L)	HGWC-15	0.01	0.0007	0.1	No	25	0.009628	0.00186	96	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-21D	0.02801	0.01632	0.1	No	17	0.02216	0.009332	0	None	No	0.01	Param.
Molybdenum (mg/L)	MW-22	0.01	0.00013	0.1	No	16	0.009383	0.002467	93.75	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-23D	0.004144	0.002969	0.1	No	16	0.003556	0.0009033	6.25	None	No	0.01	Param.
Molybdenum (mg/L)	MW-37D	0.01473	0.003733	0.1	No	12	0.009233	0.00701	8.333	None	No	0.01	Param.
Selenium (mg/L)	HGWC-14	0.01105	0.006112	0.05	No	27	0.008582	0.005177	0	None	No	0.01	Param.
Selenium (mg/L)	HGWC-15	0.005	0.0041	0.05	No	27	0.004523	0.001295	85.19	None	No	0.01	NP (NDs)
Selenium (mg/L)	HGWC-16	0.005	0.0015	0.05	No	27	0.004688	0.001139	92.59	None	No	0.01	NP (NDs)
Selenium (mg/L)	HGWC-17	0.005	0.0023	0.05	No	27	0.004474	0.001328	85.19	None	No	0.01	NP (NDs)
Selenium (mg/L)	HGWC-18	0.02982	0.01306	0.05	No	27	0.02419	0.02072	3.704	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	MW-22	0.005	0.002	0.05	No	16	0.004594	0.001114	87.5	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-23D	0.005	0.0014	0.05	No	16	0.004775	0.0009	93.75	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-33	0.019	0.007623	0.05	No	13	0.01399	0.00993	0	None	x^(1/3)	0.01	Param.
Selenium (mg/L)	MW-34D	0.005	0.0016	0.05	No	10	0.004	0.001627	60	None	No	0.011	NP (NDs)
Selenium (mg/L)	MW-35	0.01504	0.006116	0.05	No	12	0.01148	0.008841	0	None	ln(x)	0.01	Param.
Selenium (mg/L)	MW-51	0.004689	0.001106	0.05	No	8	0.003562	0.001926	25	Kaplan-Meier	No	0.01	Param.
Thallium (mg/L)	HGWC-14	0.000306	0.00027	0.002	No	27	0.0003121	0.0000709	7.407	None	No	0.01	NP (normality)
Thallium (mg/L)	HGWC-15	0.001	0.00022	0.002	No	27	0.0009711	0.0001501	96.3	None	No	0.01	NP (NDs)
Thallium (mg/L)	HGWC-17	0.001	0.00014	0.002	No	27	0.0007426	0.0004051	70.37	None	No	0.01	NP (NDs)
Thallium (mg/L)	HGWC-18	0.001	0.00019	0.002	No	27	0.0006307	0.0004211	55.56	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-33	0.001	0.00022	0.002	No	13	0.0005	0.00035	30.77	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-34D	0.001	0.001	0.002	No	10	0.000915	0.0002688	90	None	No	0.011	NP (NDs)
Thallium (mg/L)	MW-35	0.001	0.00013	0.002	No	12	0.0009275	0.0002511	91.67	None	No	0.01	NP (NDs)

Non-Parametric Confidence Interval

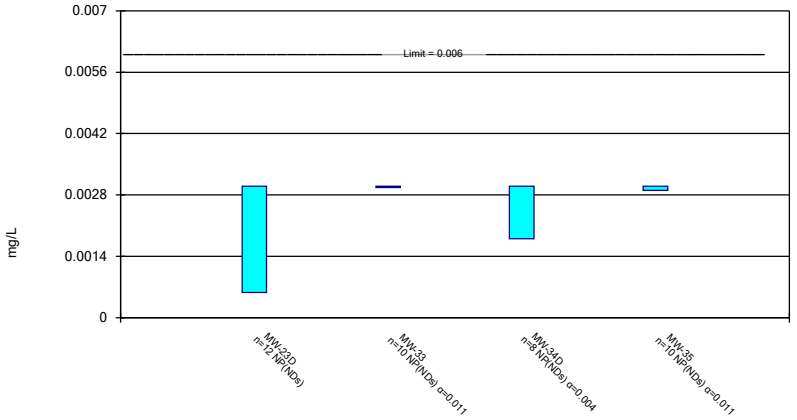
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Constituent: Antimony Analysis Run 4/30/2025 8:21 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Non-Parametric Confidence Interval

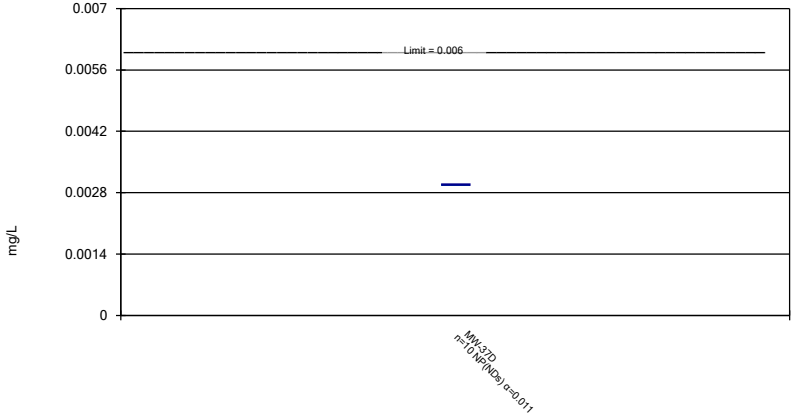
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Constituent: Antimony Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Non-Parametric Confidence Interval

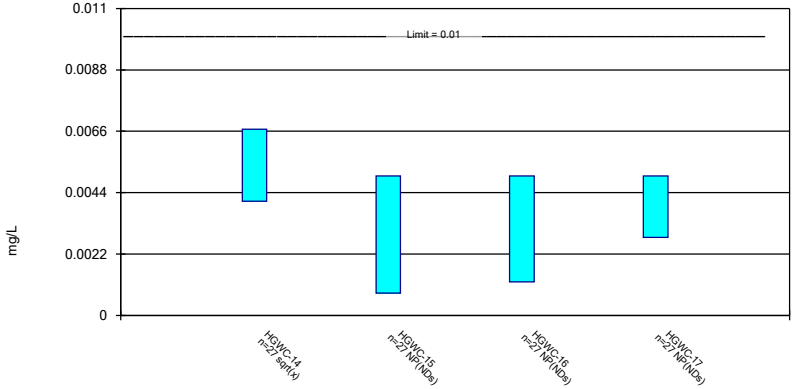
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Plant Hammond Client: Southern Company Data: Hammond AP2

Parametric and Non-Parametric (NP) Confidence Interval

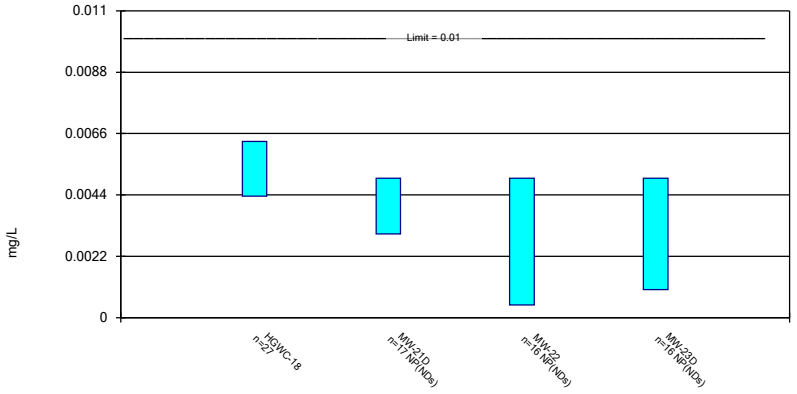
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Constituent: Arsenic Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

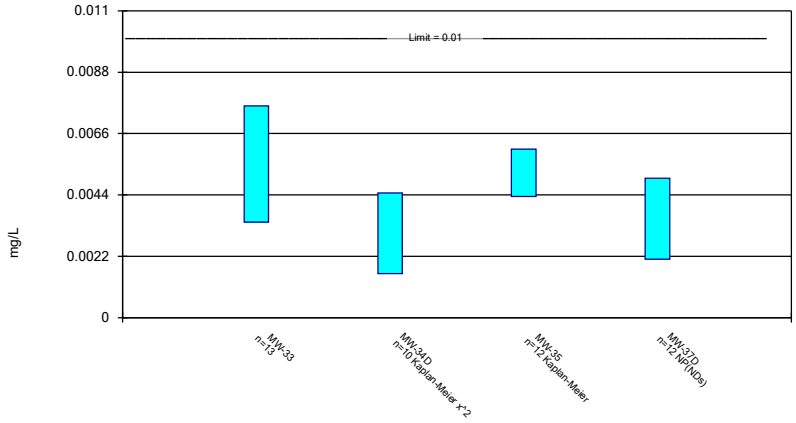


Constituent: Arsenic Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

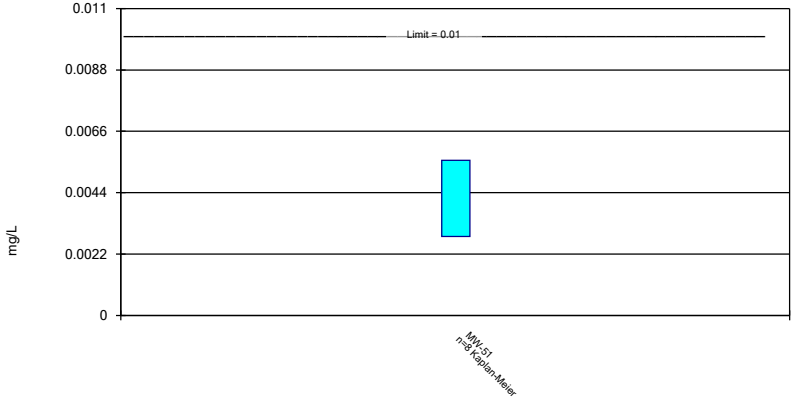


Constituent: Arsenic Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

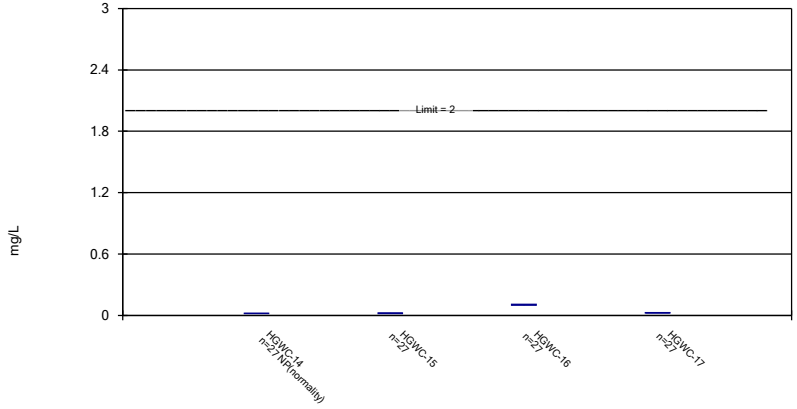


Constituent: Arsenic Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

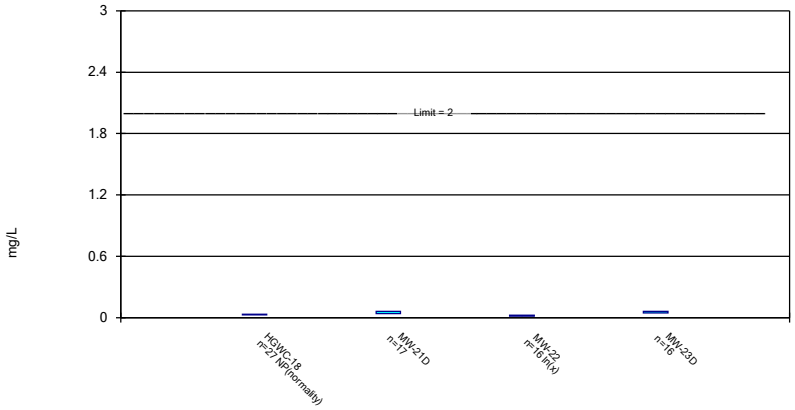
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Constituent: Barium Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

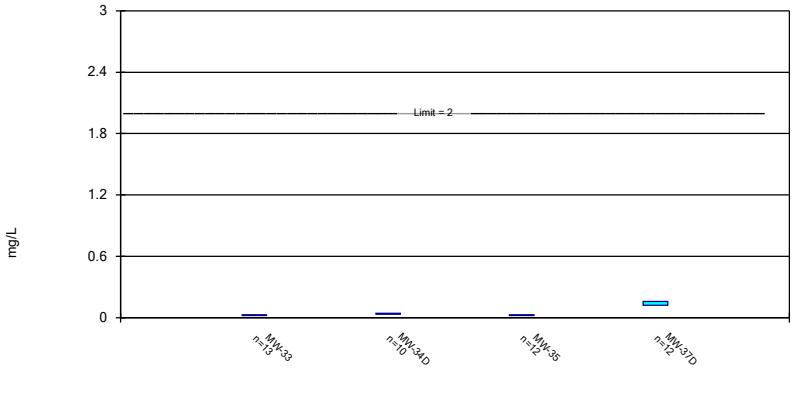


Constituent: Barium Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

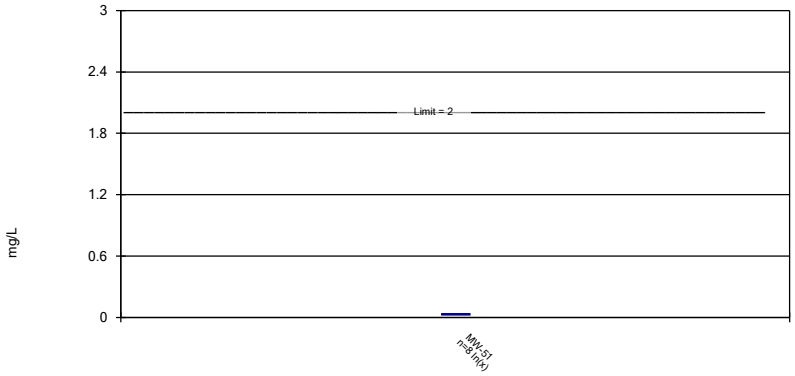


Constituent: Barium Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

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Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

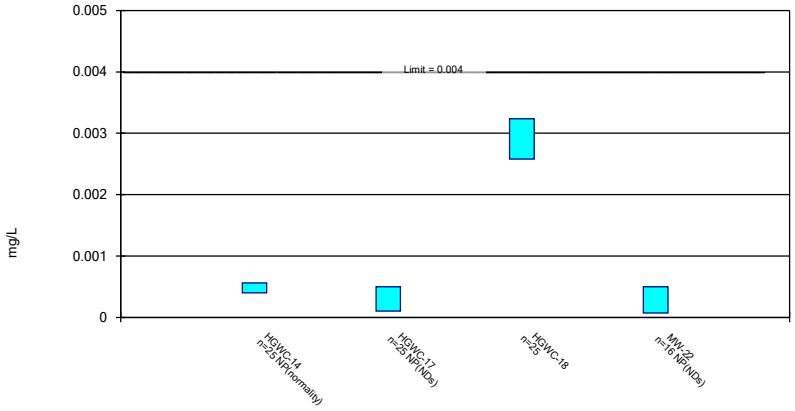


Constituent: Barium Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

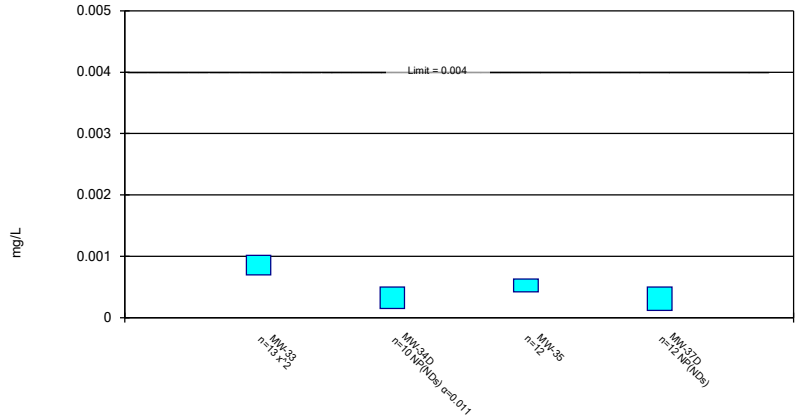
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Beryllium Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

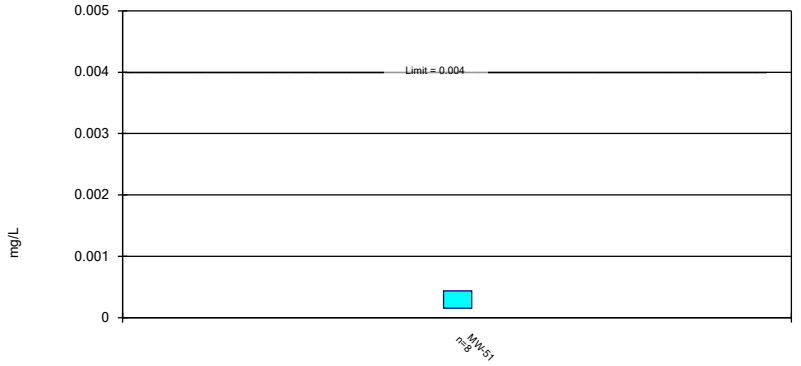


Constituent: Beryllium Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

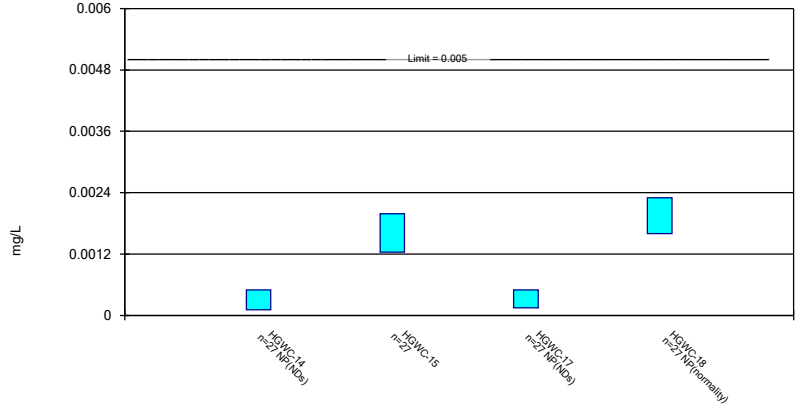


Constituent: Beryllium Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

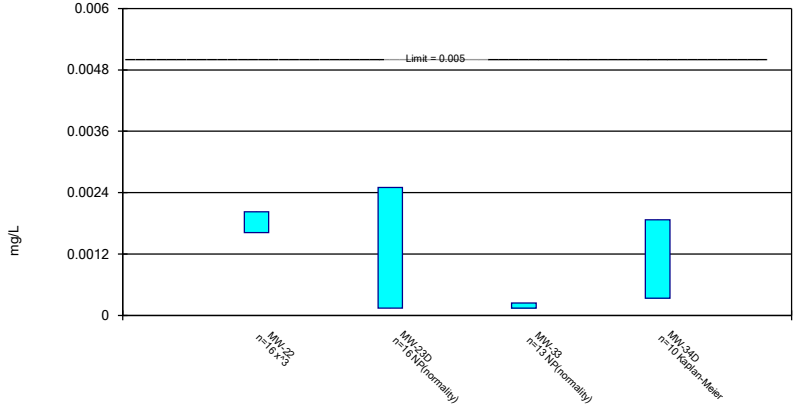


Constituent: Cadmium Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

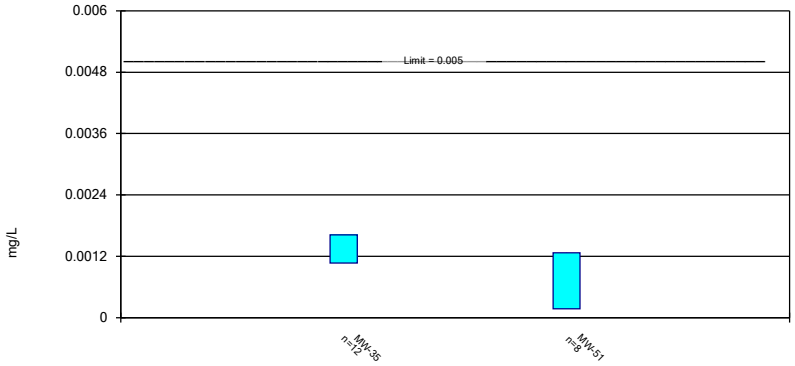
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cadmium Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Parametric Confidence Interval

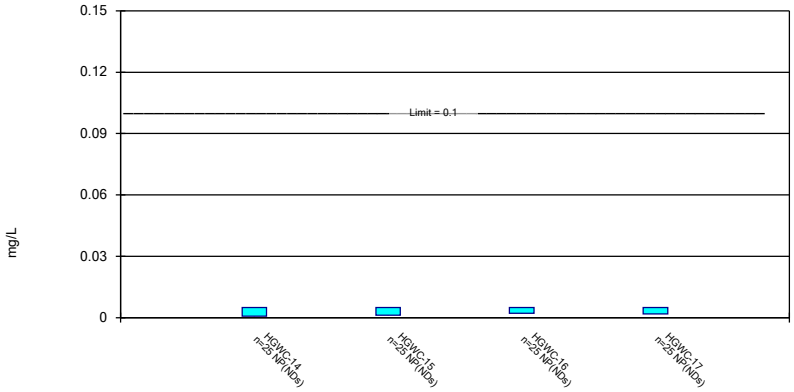
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cadmium Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Non-Parametric Confidence Interval

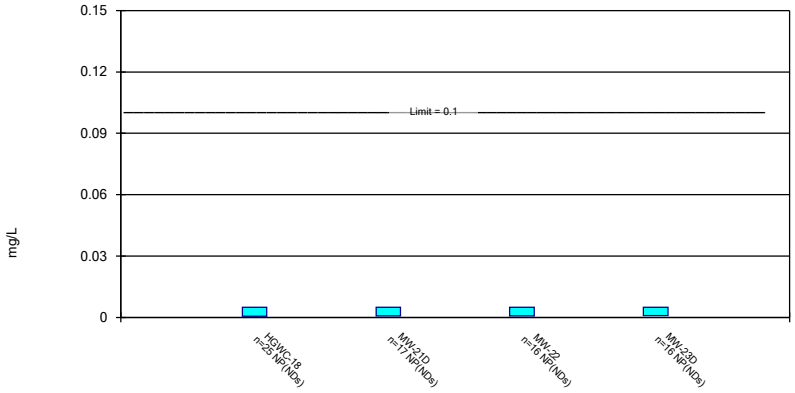
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Non-Parametric Confidence Interval

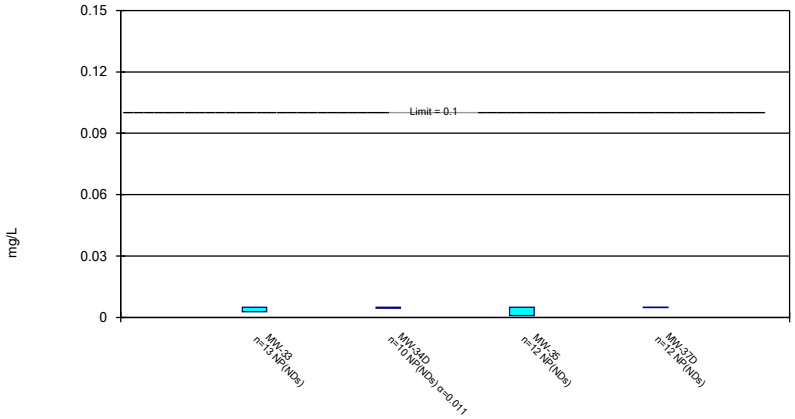
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Non-Parametric Confidence Interval

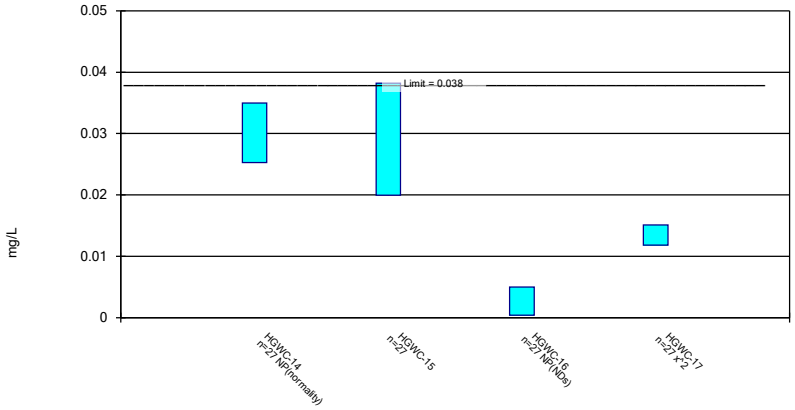
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Chromium Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

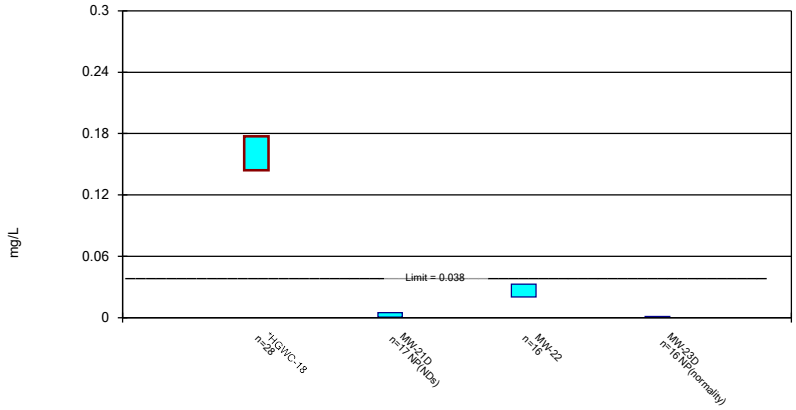


Constituent: Cobalt Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

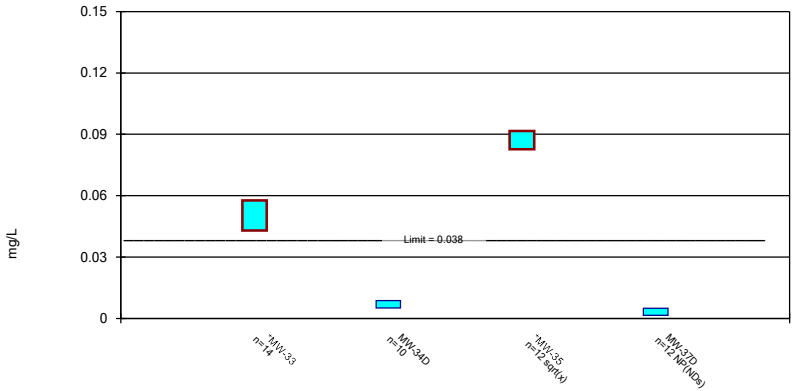


Constituent: Cobalt Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

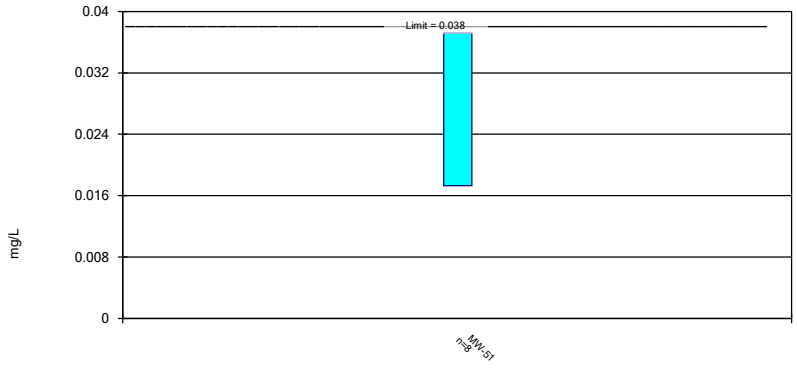


Constituent: Cobalt Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric Confidence Interval

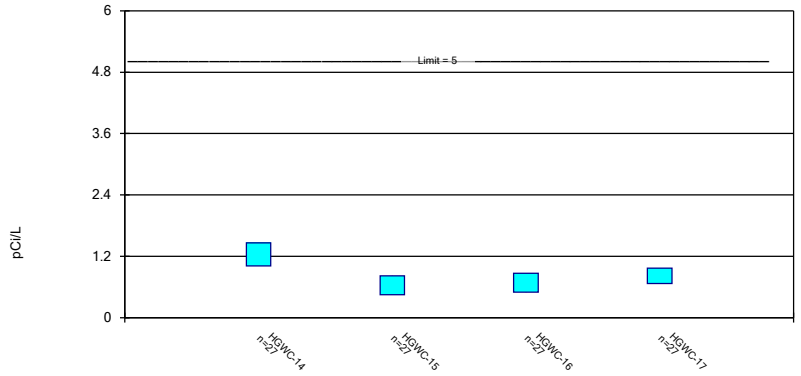
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

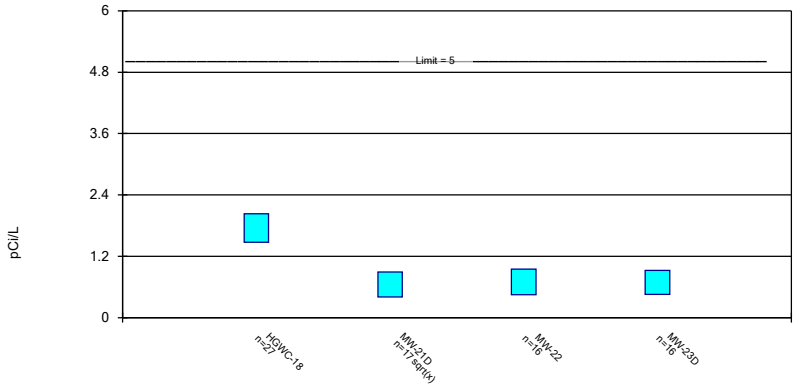


Constituent: Combined Radium 226 + 228 Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

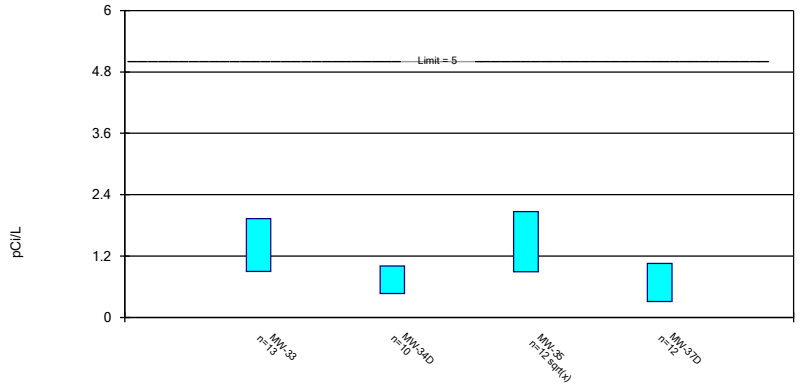


Constituent: Combined Radium 226 + 228 Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

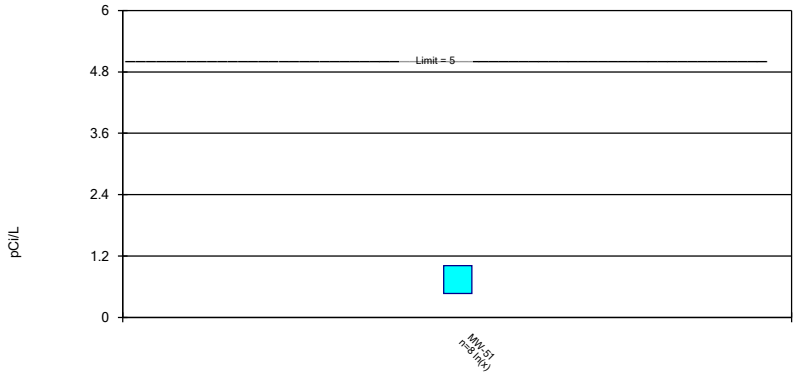


Constituent: Combined Radium 226 + 228 Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric Confidence Interval

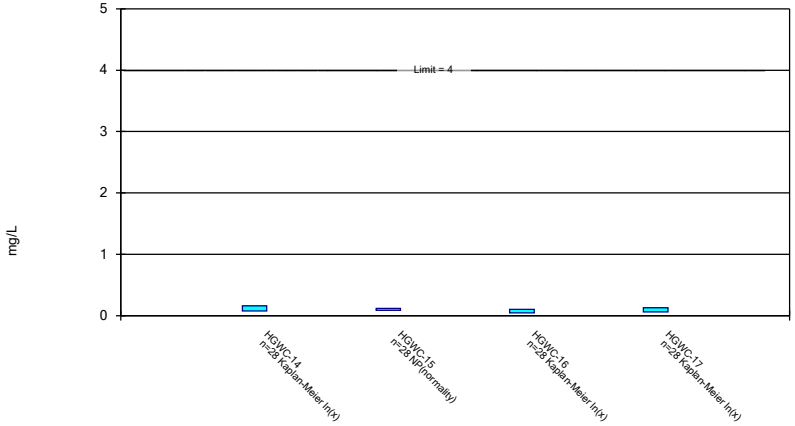
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Constituent: Combined Radium 226 + 228 Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

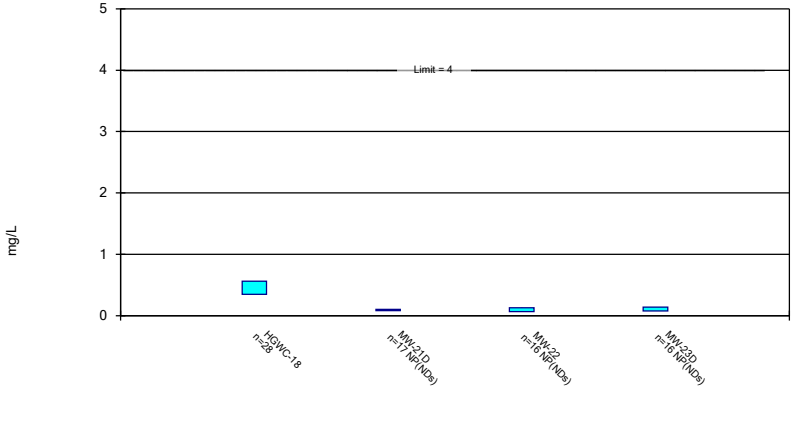


Constituent: Fluoride Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

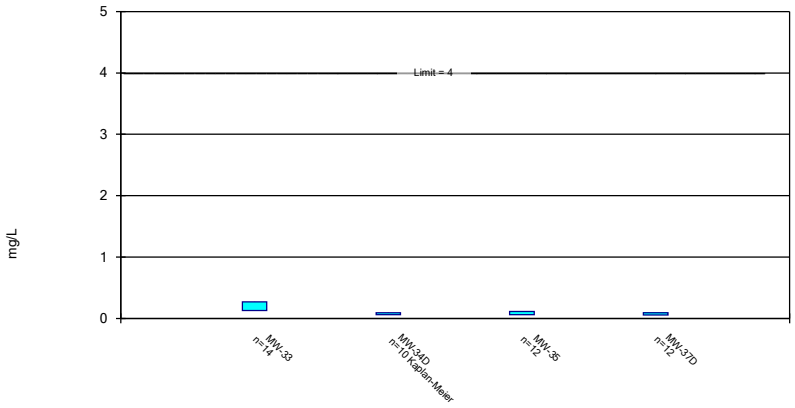


Constituent: Fluoride Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

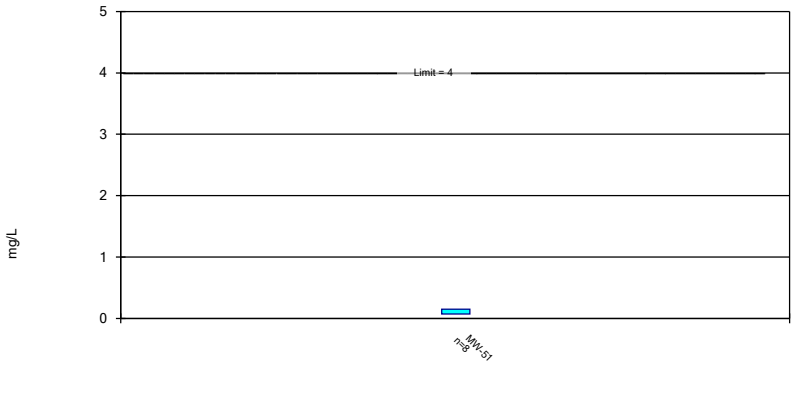


Constituent: Fluoride Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric Confidence Interval

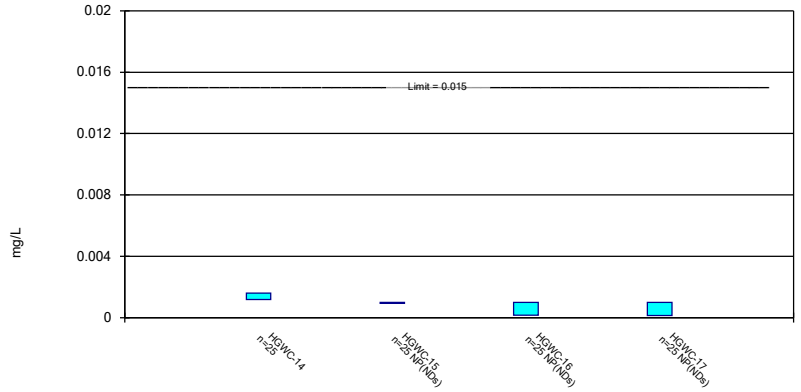
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

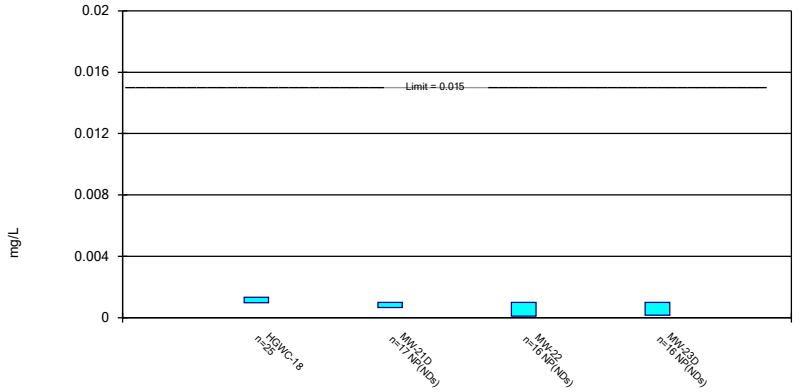


Constituent: Lead Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

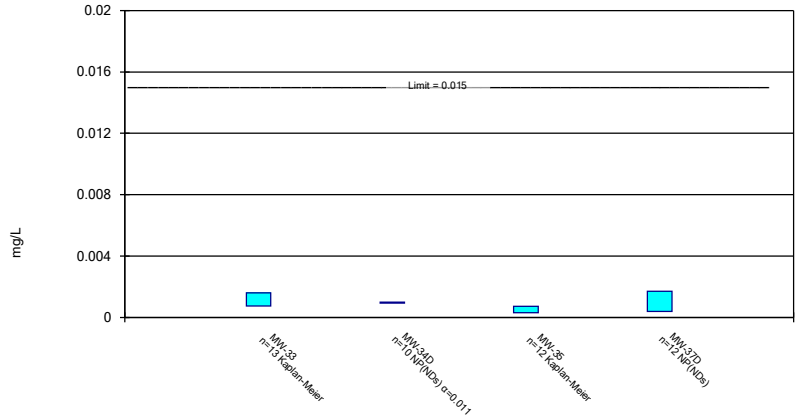


Constituent: Lead Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

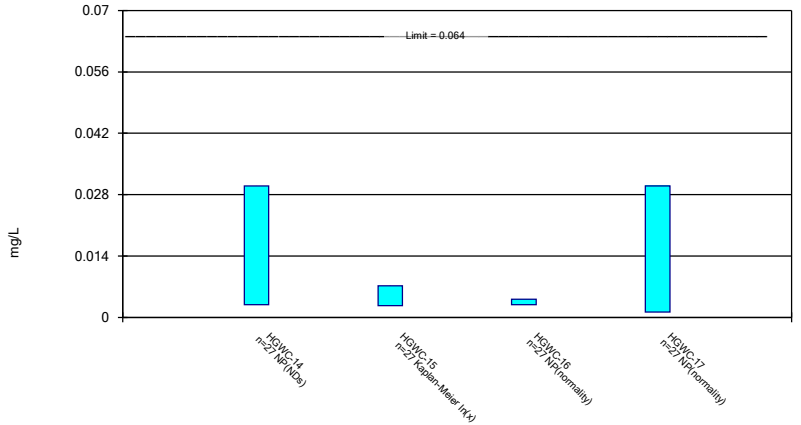


Constituent: Lead Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

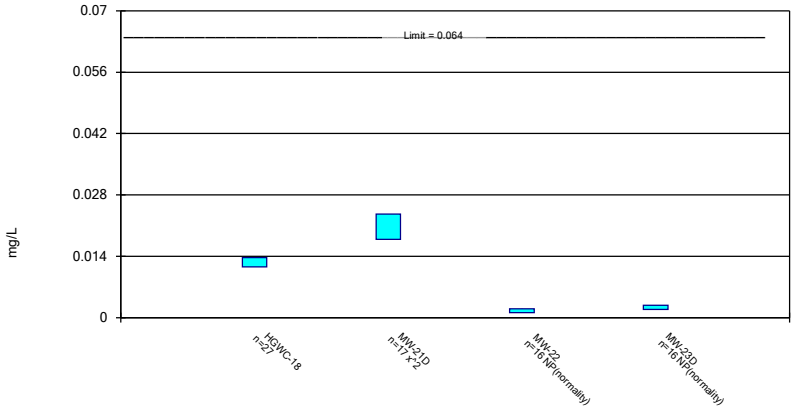
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Constituent: Lithium Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

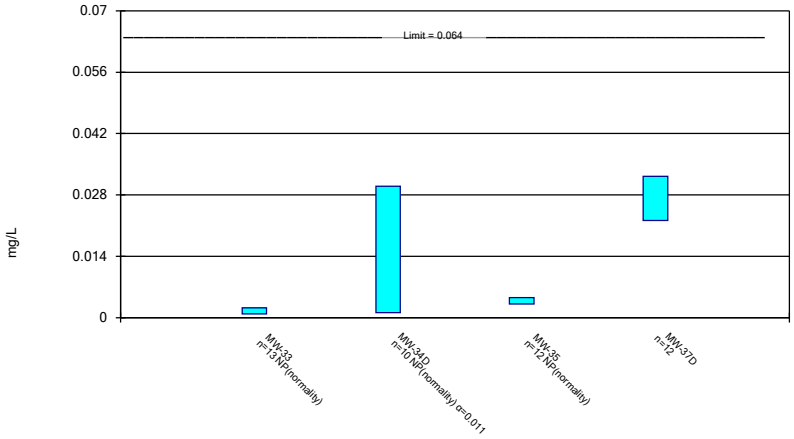


Constituent: Lithium Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

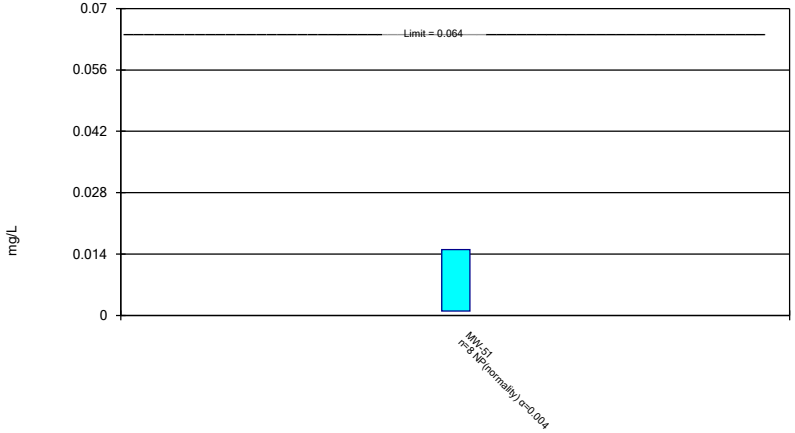


Constituent: Lithium Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

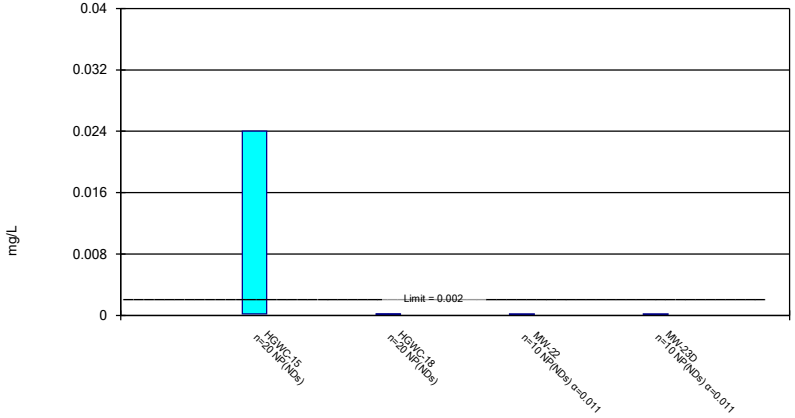


Constituent: Lithium Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

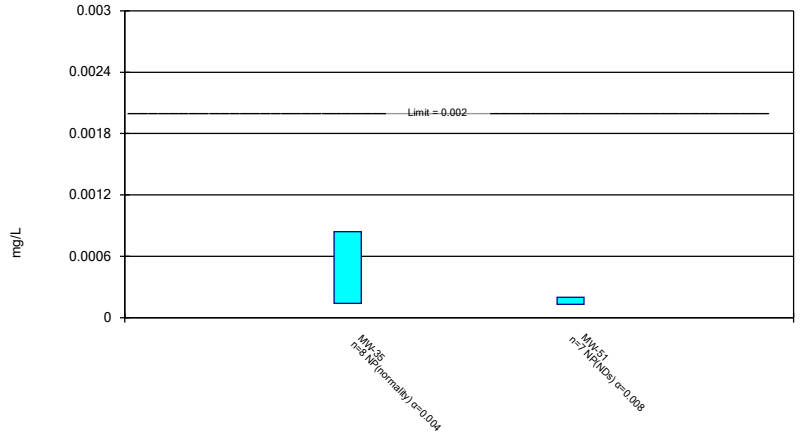
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Mercury Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Non-Parametric Confidence Interval

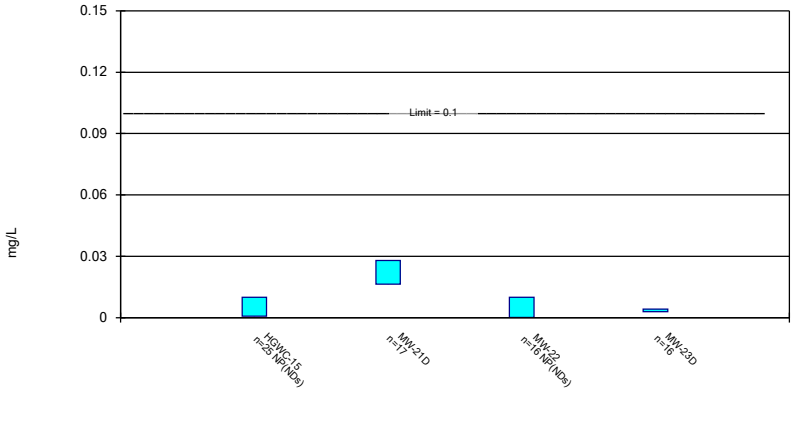
Compliance Limit is not exceeded.



Constituent: Mercury Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Parametric and Non-Parametric (NP) Confidence Interval

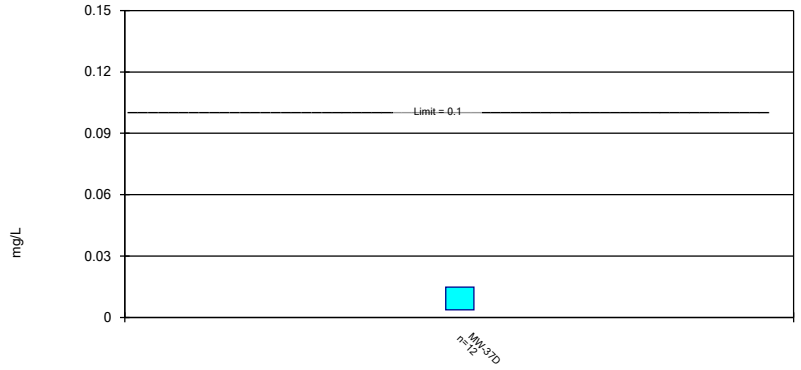
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Constituent: Molybdenum Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Parametric Confidence Interval

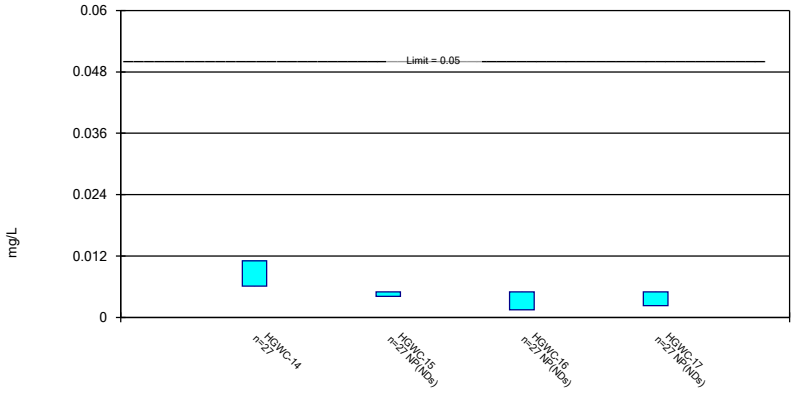
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Parametric and Non-Parametric (NP) Confidence Interval

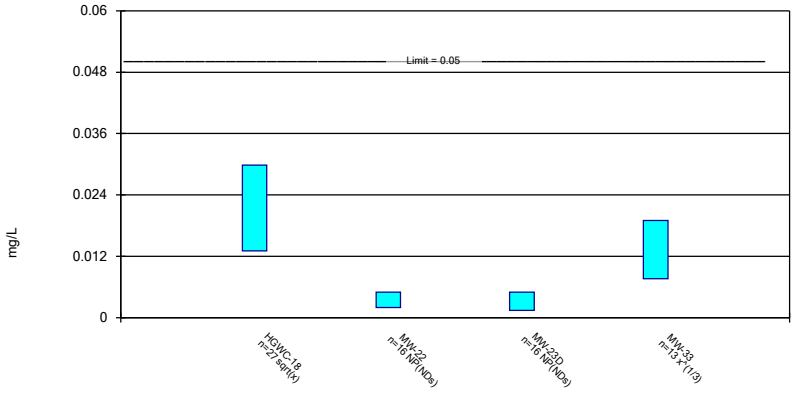
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

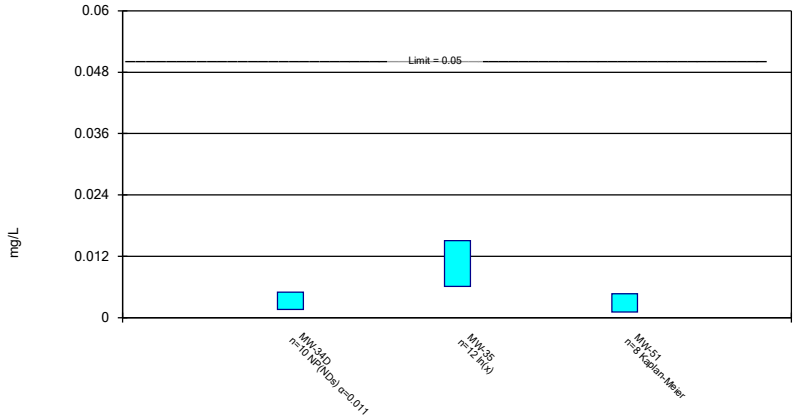


Constituent: Selenium Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

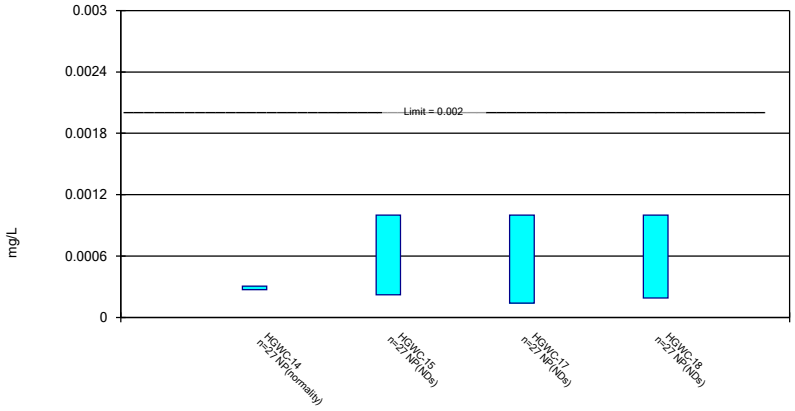


Constituent: Selenium Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

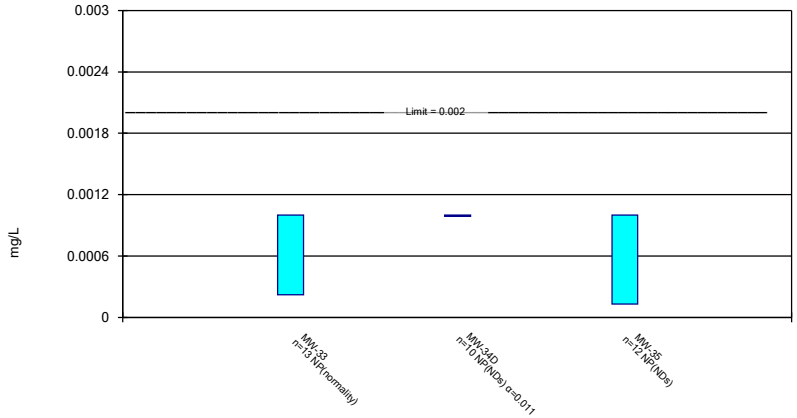


Constituent: Thallium Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Thallium Analysis Run 4/30/2025 8:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-18	MW-22
5/23/2016	<0.003	<0.003		
5/24/2016			<0.003	
7/12/2016	0.0003 (J)	<0.003	<0.003	
9/1/2016	<0.003	<0.003	<0.003	
10/24/2016	<0.003	<0.003		
10/25/2016			<0.003	
12/7/2016	<0.003	<0.003		
12/8/2016			<0.003	
1/26/2017	<0.003	<0.003	<0.003	
3/23/2017	<0.003	<0.003	<0.003	
5/24/2017	<0.003	<0.003		
5/25/2017			<0.003	
4/3/2018		<0.003	<0.003	
4/4/2018	<0.003			
3/14/2019	<0.003	<0.003	<0.003	
3/15/2019				<0.003
3/2/2020				<0.003
3/3/2020	<0.003	<0.003	<0.003	
2/11/2021	0.00043 (J)		<0.003	
2/12/2021		<0.003		
2/15/2021				<0.003
3/16/2021		<0.003		
3/17/2021	<0.003			<0.003
3/18/2021			<0.003	
8/18/2021	<0.003			
8/19/2021		<0.003	0.0008 (J)	0.0016 (J)
2/8/2022		0.002 (J)	<0.003	<0.003
2/9/2022	<0.003			
8/10/2022			<0.003	
8/11/2022	0.001 (J)	0.0016 (J)		<0.003
1/30/2023				<0.003
2/1/2023	<0.003	0.0021 (J)	<0.003	
8/13/2023	0.0032	0.0027 (J)	<0.003	<0.003
2/17/2024	<0.003	0.0014 (J)		
2/18/2024			<0.003	<0.003
8/8/2024		0.001 (J)		
8/9/2024			<0.003	
8/10/2024	<0.003			<0.003
2/17/2025		0.00056 (J)		
2/18/2025	<0.003		<0.003	<0.003
Mean	0.002663	0.002541	0.002895	0.002883
Std. Dev.	0.0008819	0.0007729	0.0004801	0.0004041
Upper Lim.	0.0032	0.003	0.003	0.003
Lower Lim.	0.001	0.002	0.0008	0.0016

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-23D	MW-33	MW-34D	MW-35
3/14/2019	<0.003			
3/2/2020	<0.003			
2/12/2021	<0.003	0.00046 (J)		
2/15/2021				0.00041 (J)
3/17/2021	<0.003			
3/18/2021		<0.003		
3/19/2021				<0.003
8/16/2021			<0.003	
8/18/2021		<0.003		<0.003
8/19/2021	<0.003			
2/8/2022		<0.003		0.0029 (J)
2/9/2022			<0.003	
2/10/2022	<0.003			
8/10/2022		<0.003	<0.003	
8/11/2022	<0.003			<0.003
1/27/2023		<0.003		
1/30/2023			0.0018 (J)	
2/1/2023	<0.003			<0.003
8/12/2023			<0.003	<0.003
8/13/2023	<0.003	<0.003		
2/18/2024	0.00057 (J)	<0.003	<0.003	
2/19/2024				<0.003
8/9/2024	<0.003	<0.003		<0.003
8/10/2024			<0.003	
2/16/2025		<0.003		
2/17/2025	<0.003			
2/18/2025			<0.003	
3/6/2025				<0.003
Mean	0.002798	0.002746	0.00285	0.002731
Std. Dev.	0.0007015	0.0008032	0.0004243	0.0008161
Upper Lim.	0.003	0.003	0.003	0.003
Lower Lim.	0.00057	0.003	0.0018	0.0029

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-37D
2/11/2021	0.00079 (J)
3/12/2021	<0.003
8/18/2021	<0.003
2/8/2022	<0.003
8/10/2022	<0.003
1/30/2023	<0.003
8/13/2023	<0.003
2/18/2024	<0.003
8/10/2024	<0.003
2/17/2025	<0.003
Mean	0.002779
Std. Dev.	0.0006989
Upper Lim.	0.003
Lower Lim.	0.003

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17
5/23/2016	0.00268 (J)	<0.005	<0.005	<0.005
7/12/2016	0.0059	<0.005	<0.005	<0.005
9/1/2016	0.0056	<0.005	<0.005	<0.005
10/24/2016	0.0058	<0.005		
10/25/2016			<0.005	<0.005
12/7/2016	<0.025	<0.005	<0.005	<0.005
1/26/2017	0.0089	<0.005	<0.005	<0.005
3/22/2017			0.0005 (J)	0.0007 (J)
3/23/2017	0.0069	0.0008 (J)		
5/24/2017	0.0048 (J)	<0.005	<0.005	
5/25/2017				0.0007 (J)
4/3/2018		<0.005	<0.005	<0.005
4/4/2018	0.0052			
6/6/2018	0.0059	<0.005	<0.005	0.00097 (J)
10/3/2018	0.0032 (J)	<0.005	<0.005	<0.005
3/14/2019	0.0029 (J)	<0.005		
3/15/2019			<0.005	<0.005
4/4/2019		0.00017 (J)	0.0001 (J)	
4/5/2019	<0.025			<0.005
9/24/2019	0.0039 (J)	0.00037 (J)		
9/25/2019			<0.005	<0.005
3/3/2020	0.0035 (J)	<0.005	<0.005	<0.005
3/26/2020		<0.005		
3/30/2020	0.0051		0.0011 (J)	
3/31/2020				0.0008 (J)
9/16/2020				<0.005
9/17/2020		<0.005	<0.005	
9/18/2020	0.0029 (J)			
2/10/2021			0.0012 (J)	
2/11/2021	0.0062			0.0012 (J)
2/12/2021		<0.005		
3/16/2021		<0.005		
3/17/2021	<0.025		<0.005	
3/18/2021				<0.005
8/18/2021	0.0035 (J)			<0.005
8/19/2021		<0.005	<0.005	
2/8/2022		<0.005	<0.005	0.0017 (J)
2/9/2022	0.0077			
8/10/2022			<0.005	<0.005
8/11/2022	0.006	<0.005		
1/30/2023				0.0028 (J)
2/1/2023	0.004 (J)	<0.005	<0.005	
8/13/2023	0.0048 (J)	<0.005	<0.005	<0.005
2/17/2024	0.0026 (J)	<0.005		<0.005
2/18/2024			<0.005	
8/8/2024		<0.005		<0.005
8/9/2024			<0.005	
8/10/2024	0.005 (J)			
2/16/2025				<0.005
2/17/2025		<0.005	<0.005	
2/18/2025	0.0017 (J)			
Mean	0.005636	0.004494	0.004367	0.004032

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17
Std. Dev.	0.002974	0.001461	0.001558	0.001707
Upper Lim.	0.006673	0.005	0.005	0.005
Lower Lim.	0.004093	0.0008	0.0012	0.0028

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-18	MW-21D	MW-22	MW-23D
5/24/2016	0.00294 (J)			
7/12/2016	0.0074			
9/1/2016	0.0073			
10/25/2016	0.006			
12/8/2016	0.007			
1/26/2017	0.0068			
3/23/2017	0.0082			
5/25/2017	0.006			
4/3/2018	0.0062			
6/5/2018	0.008			
10/3/2018	0.0039 (J)			
3/14/2019	0.0036 (J)			<0.005
3/15/2019		<0.005	<0.005	
4/4/2019		0.00019 (J)		
4/5/2019	0.0015 (J)		<0.005	<0.005
9/25/2019	0.0044 (J)	<0.005		
9/26/2019				<0.005
9/27/2019			0.00045 (J)	
3/2/2020			<0.005	<0.005
3/3/2020	0.0057	<0.005		
3/27/2020			<0.005	
3/31/2020	0.0056			
4/1/2020		0.0013 (J)		0.00082 (J)
6/17/2020		<0.005		
9/15/2020	0.0074			
9/17/2020			<0.005	<0.005
9/21/2020		<0.005		
2/11/2021	0.0069	0.001 (J)		
2/12/2021				0.001 (J)
2/15/2021			<0.005	
3/17/2021			<0.005	<0.005
3/18/2021	0.0083 (J)	<0.005		
8/19/2021	0.0045 (J)	<0.005	<0.005	<0.005
2/8/2022	0.005 (J)	<0.005	<0.005	
2/10/2022				<0.005
8/10/2022	0.0058			
8/11/2022		0.003 (J)	<0.005	<0.005
1/27/2023		<0.005		
1/30/2023			<0.005	
2/1/2023	0.0036 (J)			<0.005
8/12/2023		<0.005		
8/13/2023	0.0059 (J)		<0.005	<0.005
2/18/2024	0.0027 (J)	<0.005	<0.005	<0.005
8/9/2024	0.00092 (J)	<0.005		0.00096 (J)
8/10/2024			<0.005	
2/17/2025				<0.005
2/18/2025	<0.005	<0.005	<0.005	
Mean	0.005336	0.004146	0.004716	0.004236
Std. Dev.	0.002065	0.001667	0.001137	0.001642
Upper Lim.	0.006321	0.005	0.005	0.005
Lower Lim.	0.00435	0.003	0.00045	0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-37D
4/1/2020	0.0061			
6/17/2020	0.0031 (J)			
6/18/2020		0.0032 (J)	0.005 (J)	0.0021 (J)
9/21/2020	0.0083		0.0059	
9/23/2020		0.001 (J)		0.00095 (J)
2/11/2021				0.0023 (J)
2/12/2021	0.0059			
2/15/2021			0.005	
3/12/2021				<0.005
3/18/2021	0.0054 (J)			
3/19/2021			<0.005	
8/16/2021		0.0024 (J)		
8/18/2021	0.0058		0.0043 (J)	<0.005
2/8/2022	0.0069		0.0072	<0.005
2/9/2022		0.0054		
8/10/2022	<0.025	0.0045 (J)		<0.005
8/11/2022			<0.005	
1/27/2023	0.0031 (J)			
1/30/2023		0.0047 (J)		<0.005
2/1/2023			0.006	
8/12/2023		<0.005	0.0045 (J)	
8/13/2023	0.0059 (J)			<0.005
2/18/2024	0.0024 (J)	0.00099 (J)		<0.005
2/19/2024			0.0073	
8/9/2024	0.0041 (J)		0.0059	
8/10/2024		0.0045 (J)		<0.005
2/16/2025	0.0021 (J)			
2/17/2025				<0.005
2/18/2025		<0.005		
3/6/2025			<0.005	
Mean	0.005508	0.003669	0.005508	0.004196
Std. Dev.	0.002802	0.00167	0.0009718	0.001488
Upper Lim.	0.007591	0.004473	0.006039	0.005
Lower Lim.	0.003424	0.001577	0.004342	0.0021

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-51
8/18/2021	0.002 (J)
2/8/2022	0.0046 (J)
8/11/2022	0.0043 (J)
2/1/2023	0.0041 (J)
8/12/2023	<0.005
2/19/2024	0.0067
8/9/2024	0.0042 (J)
3/6/2025	<0.005
Mean	0.004487
Std. Dev.	0.001303
Upper Lim.	0.005563
Lower Lim.	0.002832

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17
5/23/2016	<0.25	0.0315 (J)	0.0841	0.0222 (J)
7/12/2016	0.0214	0.0372	0.0886	0.0221
9/1/2016	0.0208	0.0364	0.0934	0.0227
10/24/2016	0.0208	0.0326		
10/25/2016			0.0991	0.0225
12/7/2016	0.022	0.0301	0.101	0.0227
1/26/2017	0.0238	0.0287	0.105	0.0229
3/22/2017			0.11	0.0248
3/23/2017	0.0244	0.0329		
5/24/2017	0.0228	0.0283	0.106	
5/25/2017				0.0255
4/3/2018		0.019	0.099	0.025
4/4/2018	0.021			
6/6/2018	0.022	0.022	0.11	0.028
10/3/2018	0.02	0.025	0.11	0.028
3/14/2019	0.019	0.021		
3/15/2019			0.13	0.029
4/4/2019		0.018	0.11	
4/5/2019	0.016			0.022
9/24/2019	0.021	0.019		
9/25/2019			0.11	0.025
3/3/2020	0.018	0.018	0.12	0.026
3/26/2020		0.016		
3/30/2020	0.02		0.11	
3/31/2020				0.029
9/16/2020				0.025
9/17/2020		0.017	0.11	
9/18/2020	0.019			
2/10/2021			0.11	
2/11/2021	0.02			0.025
2/12/2021		0.014		
3/16/2021		0.012		
3/17/2021	0.023		0.12	
3/18/2021				0.027
8/18/2021	0.018			0.022
8/19/2021		0.01	0.1	
2/8/2022		0.0098	0.1	0.021
2/9/2022	0.017			
8/10/2022			0.1	0.027
8/11/2022	0.017	0.015		
1/30/2023				0.03
2/1/2023	0.017	0.021	0.11	
8/13/2023	0.016	0.011	0.099	0.025
2/17/2024	0.02	0.017		0.023
2/18/2024			0.098	
8/8/2024		0.0094		0.023
8/9/2024			0.086	
8/10/2024	0.015			
2/16/2025				0.03
2/17/2025		0.017	0.098	
2/18/2025	0.016			
Mean	0.02356	0.02107	0.1043	0.02501

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17
Std. Dev.	0.02044	0.008422	0.01035	0.002695
Upper Lim.	0.0214	0.02509	0.1093	0.0263
Lower Lim.	0.018	0.01705	0.0994	0.02373

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-18	MW-21D	MW-22	MW-23D
5/24/2016	<0.2			
7/12/2016	0.0346			
9/1/2016	0.0336			
10/25/2016	0.0349			
12/8/2016	0.0339			
1/26/2017	0.0293			
3/23/2017	0.0313			
5/25/2017	0.0336			
4/3/2018	0.028			
6/5/2018	0.03			
10/3/2018	0.032			
3/14/2019	0.029			0.082
3/15/2019		0.09	0.044	
4/4/2019		0.075		
4/5/2019	0.021		0.036	0.061
9/25/2019	0.03	0.066		
9/26/2019				0.064
9/27/2019			0.028	
3/2/2020			0.027	0.06
3/3/2020	0.026	0.058		
3/27/2020			0.025	
3/31/2020	0.029			
4/1/2020		0.066		0.065
6/17/2020		0.054		
9/15/2020	0.03			
9/17/2020			0.02	0.057
9/21/2020		0.049		
2/11/2021	0.03	0.044		
2/12/2021				0.056
2/15/2021			0.017	
3/17/2021			0.018	0.058
3/18/2021	0.031	0.047		
8/19/2021	0.031	0.042	0.018	0.05
2/8/2022	0.02	0.033	0.014	
2/10/2022				0.05
8/10/2022	0.026			
8/11/2022		0.037	0.014	0.05
1/27/2023		0.031		
1/30/2023			0.014	
2/1/2023	0.019			0.047
8/12/2023		0.033		
8/13/2023	0.026		0.013	0.041
2/18/2024	0.02	0.034	0.012	0.041
8/9/2024	0.021	0.035		0.036
8/10/2024			0.014	
2/17/2025				0.035
2/18/2025	0.016	0.045	0.013	
Mean	0.0306	0.04935	0.02044	0.05331
Std. Dev.	0.01483	0.01683	0.009273	0.0122
Upper Lim.	0.032	0.0599	0.02441	0.06125
Lower Lim.	0.026	0.03881	0.01458	0.04538

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-37D
4/1/2020	0.027			
6/17/2020	0.024			
6/18/2020		0.044	0.029	0.19
9/21/2020	0.024		0.028	
9/23/2020		0.038		0.14
2/11/2021				0.14
2/12/2021	0.025			
2/15/2021			0.026	
3/12/2021				0.12
3/18/2021	0.029			
3/19/2021			0.032	
8/16/2021		0.035		
8/18/2021	0.025		0.025	0.12
2/8/2022	0.02		0.023	0.11
2/9/2022		0.04		
8/10/2022	0.02 (J)	0.046		0.11
8/11/2022			0.022 (J)	
1/27/2023	0.018			
1/30/2023		0.04		0.13
2/1/2023			0.022	
8/12/2023		0.033	0.021	
8/13/2023	0.023			0.15
2/18/2024	0.016	0.033		0.15
2/19/2024			0.021	
8/9/2024	0.027		0.021	
8/10/2024		0.032		0.17
2/16/2025	0.016			
2/17/2025				0.15
2/18/2025		0.03		
3/6/2025			0.024	
Mean	0.02262	0.0371	0.0245	0.14
Std. Dev.	0.004253	0.005363	0.003606	0.02412
Upper Lim.	0.02578	0.04189	0.02733	0.1589
Lower Lim.	0.01945	0.03231	0.02167	0.1211

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-51
8/18/2021	0.032
2/8/2022	0.046
8/11/2022	0.028
2/1/2023	0.033
8/12/2023	0.026
2/19/2024	0.028
8/9/2024	0.026
3/6/2025	0.024
Mean	0.03038
Std. Dev.	0.007009
Upper Lim.	0.03702
Lower Lim.	0.02395

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-17	HGWC-18	MW-22
5/23/2016	<0.003	<0.0005		
5/24/2016			0.00278 (J)	
7/12/2016	0.0005 (J)	<0.0005	0.0032	
9/1/2016	0.0005 (J)	<0.0005	0.0034	
10/24/2016	0.0005 (J)			
10/25/2016		<0.0005	0.0034	
12/7/2016	0.0006 (J)	<0.0005		
12/8/2016			0.0033	
1/26/2017	0.0005 (J)	<0.0005	0.0034	
3/22/2017		<0.0005		
3/23/2017	0.0006 (J)		0.0036	
5/24/2017	0.0005 (J)			
5/25/2017		<0.0005	0.0036	
4/3/2018		<0.0005	<0.003	
4/4/2018	<0.003			
3/14/2019	0.00043 (J)		0.0026 (J)	
3/15/2019		<0.0005		<0.0005
4/5/2019	0.00027 (J)	<0.0005	0.0022 (J)	<0.0005
9/24/2019	0.00044 (J)			
9/25/2019		<0.0005	0.0031	
9/27/2019				<0.0005
3/2/2020				<0.0005
3/3/2020	0.00043 (J)	<0.0005	0.0029 (J)	
3/27/2020				<0.0005
3/30/2020	0.00043 (J)			
3/31/2020		<0.0005	0.003	
9/15/2020			0.0033	
9/16/2020		<0.0005		
9/17/2020				4.7E-05 (J)
9/18/2020	0.00043 (J)			
2/11/2021	0.00044 (J)	6.7E-05 (J)	0.0036	
2/15/2021				6.2E-05 (J)
3/17/2021	0.00058			8.2E-05 (J)
3/18/2021		4.8E-05 (J)	0.0038	
8/18/2021	0.00039 (J)	<0.0005		
8/19/2021			0.0034	7E-05 (J)
2/8/2022		<0.0005	0.0026	7.9E-05 (J)
2/9/2022	0.00056			
8/10/2022		6E-05 (J)	0.0032	
8/11/2022	0.00039 (J)			<0.0005
1/30/2023		5.7E-05 (J)		8.1E-05 (J)
2/1/2023	0.00039 (J)		0.002	
8/13/2023	0.0004 (J)	0.0001 (J)	0.003	<0.0005
2/17/2024	0.00044 (J)	<0.0005		
2/18/2024			0.0022	<0.0005
8/8/2024		<0.0005		
8/9/2024			0.0021	
8/10/2024	0.00047 (J)			<0.0005
2/16/2025		<0.0005		
2/18/2025	0.00038 (J)		0.0015	<0.0005
Mean	0.0005428	0.0004133	0.002907	0.0003388
Std. Dev.	0.0002978	0.0001772	0.0006577	0.0002151

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-17	HGWC-18	MW-22
Upper Lim.	0.00056	0.0005	0.003235	0.0005
Lower Lim.	0.0004	0.0001	0.002579	7E-05

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-37D
4/1/2020	0.0011 (J)			
6/17/2020	0.00099 (J)			
6/18/2020		0.00015 (J)	0.00032 (J)	0.00012 (J)
9/21/2020	0.0009 (J)		0.0004 (J)	
9/23/2020		<0.0005		<0.0005
2/11/2021				<0.0005
2/12/2021	0.001 (J)			
2/15/2021			0.0006 (J)	
3/12/2021				<0.0005
3/18/2021	0.0011			
3/19/2021			0.00061	
8/16/2021		<0.0005		
8/18/2021	0.00097		0.00061	<0.0005
2/8/2022	0.00087 (J)		0.0007 (J)	<0.0005
2/9/2022		6.5E-05 (J)		
8/10/2022	0.0008	<0.0005		<0.0005
8/11/2022			0.00066 (J)	
1/27/2023	0.00019 (J)			
1/30/2023		<0.0005		<0.0005
2/1/2023			0.00049 (J)	
8/12/2023		<0.0005	0.00041 (J)	
8/13/2023	0.00099			<0.0005
2/18/2024	0.00059	<0.0005		<0.0005
2/19/2024			0.00064	
8/9/2024	0.00084		0.00053	
8/10/2024		<0.0005		<0.0005
2/16/2025	0.00048 (J)			
2/17/2025				<0.0005
2/18/2025		<0.0005		
3/6/2025			0.00033 (J)	
Mean	0.0008323	0.0004215	0.000525	0.0004683
Std. Dev.	0.000265	0.0001667	0.0001322	0.0001097
Upper Lim.	0.001014	0.0005	0.0006287	0.0005
Lower Lim.	0.000698	0.00015	0.0004213	0.00012

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-51
8/18/2021	0.00042 (J)
2/8/2022	0.00011 (J)
8/11/2022	0.00028 (J)
2/1/2023	0.00028 (J)
8/12/2023	0.00012 (J)
2/19/2024	0.00047 (J)
8/9/2024	0.00028 (J)
3/6/2025	0.00041 (J)
Mean	0.0002963
Std. Dev.	0.0001336
Upper Lim.	0.0004379
Lower Lim.	0.0001546

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-17	HGWC-18
5/23/2016	0.000139 (J)	0.00271 (J)	<0.0005	
5/24/2016				<0.02
7/12/2016	<0.0005	0.0019	<0.0005	0.0022
9/1/2016	0.0001 (J)	0.0017	<0.0005	0.0024
10/24/2016	0.0002 (J)	0.0018		
10/25/2016			<0.0005	0.0022
12/7/2016	0.0001 (J)	0.0018	<0.0005	
12/8/2016				0.0024
1/26/2017	0.0001 (J)	0.0013	<0.0005	0.0025
3/22/2017			7E-05 (J)	
3/23/2017	0.0002 (J)	0.002		0.0025
5/24/2017	0.0001 (J)	0.0041		
5/25/2017			<0.0005	0.0027
4/3/2018		0.0022	<0.0005	0.0022
4/4/2018	<0.0005			
6/5/2018				0.0022
6/6/2018	0.00012 (J)	0.0021	<0.0005	
10/3/2018	0.0001 (J)	0.0026	<0.0005	0.0027
3/14/2019	<0.0005	0.0024		0.0019
3/15/2019			<0.0005	
4/4/2019		0.0018		
4/5/2019	7.9E-05 (J)		<0.0005	0.0017
9/24/2019	<0.0005	0.0014 (J)		
9/25/2019			<0.0005	0.0023 (J)
3/3/2020	<0.0005	0.0015 (J)	<0.0005	0.0021 (J)
3/26/2020		0.0016 (J)		
3/30/2020	<0.0005			
3/31/2020			<0.0005	0.0017 (J)
9/15/2020				0.0019 (J)
9/16/2020			<0.0005	
9/17/2020		0.0016 (J)		
9/18/2020	<0.0005			
2/11/2021	<0.0005		<0.0005	0.0016 (J)
2/12/2021		0.0014 (J)		
3/16/2021		0.0011		
3/17/2021	<0.0005			
3/18/2021			<0.0005	0.0015
8/18/2021	0.00013 (J)		<0.0005	
8/19/2021		0.0012		0.0014
2/8/2022		0.0011	<0.0005	0.00076
2/9/2022	<0.0005			
8/10/2022			<0.0005	0.0017
8/11/2022	<0.0005	0.00095		
1/30/2023			<0.0005	
2/1/2023	<0.0005	0.00088		0.001
8/13/2023	<0.0005	0.00033 (J)	<0.0005	0.0017
2/17/2024	<0.0005	0.00084	<0.0005	
2/18/2024				0.0015
8/8/2024		0.00037 (J)	<0.0005	
8/9/2024				0.00096
8/10/2024	0.00011 (J)			
2/16/2025			0.00015 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-17	HGWC-18
2/17/2025		0.00083		
2/18/2025	<0.0005			0.00056
Mean	0.0003325	0.001611	0.0004711	0.002159
Std. Dev.	0.0001925	0.000789	0.0001047	0.00167
Upper Lim.	0.0005	0.001988	0.0005	0.0023
Lower Lim.	0.00011	0.001235	0.00015	0.0016

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-22	MW-23D	MW-33	MW-34D
3/14/2019		<0.0025		
3/15/2019	0.00082 (J)			
4/5/2019	0.00064 (J)	<0.0025		
9/26/2019		<0.0025		
9/27/2019	0.0014 (J)			
3/2/2020	0.0021 (J)	<0.0025		
3/27/2020	0.0019 (J)			
4/1/2020		<0.0025	0.00022 (J)	
6/17/2020			0.00021 (J)	
6/18/2020				<0.0025
9/17/2020	0.0021 (J)	0.0006 (J)		
9/21/2020			0.00016 (J)	
9/23/2020				<0.0025
2/12/2021		0.00045 (J)	0.00017 (J)	
2/15/2021	0.002 (J)			
3/17/2021	0.0022	0.00057		
3/18/2021			0.00019 (J)	
8/16/2021				0.00023 (J)
8/18/2021			0.00017 (J)	
8/19/2021	0.0021	0.00012 (J)		
2/8/2022	0.002		0.00013 (J)	
2/9/2022				0.00072
2/10/2022		0.00024 (J)		
8/10/2022			<0.0025	0.00041 (J)
8/11/2022	0.002	0.00021 (J)		
1/27/2023			0.00017 (J)	
1/30/2023	0.0017			0.00047 (J)
2/1/2023		0.00012 (J)		
8/12/2023				0.0029
8/13/2023	0.002	0.00015 (J)	0.0002 (J)	
2/18/2024	0.0018	0.00017 (J)	0.00014 (J)	0.0008
8/9/2024		0.00014 (J)	0.00024 (J)	
8/10/2024	0.0017			0.0015
2/16/2025			0.00015 (J)	
2/17/2025		0.00015 (J)		
2/18/2025	0.0016			0.0022
Mean	0.001754	0.0009637	0.0002615	0.001423
Std. Dev.	0.000454	0.00108	0.0002987	0.001019
Upper Lim.	0.002027	0.0025	0.00024	0.001871
Lower Lim.	0.001619	0.00014	0.00014	0.0003364

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-35	MW-51
6/18/2020	0.00053 (J)	
9/21/2020	0.001 (J)	
2/15/2021	0.0017 (J)	
3/19/2021	0.0018	
8/18/2021	0.0015	0.00094
2/8/2022	0.0015	0.00024 (J)
8/11/2022	0.0013 (J)	0.00045 (J)
2/1/2023	0.0017	0.0016
8/12/2023	0.0012	0.00019 (J)
2/19/2024	0.0013	0.00067
8/9/2024	0.0012	0.00038 (J)
3/6/2025	0.0014	0.0013
Mean	0.001344	0.0007213
Std. Dev.	0.000349	0.0005157
Upper Lim.	0.001618	0.001268
Lower Lim.	0.00107	0.0001747

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17
5/23/2016	<0.005	<0.005	<0.005	<0.005
7/12/2016	<0.005	<0.005	<0.005	<0.005
9/1/2016	<0.005	<0.005	<0.005	<0.005
10/24/2016	<0.005	<0.005		
10/25/2016			<0.005	<0.005
12/7/2016	<0.005	<0.005	<0.005	<0.005
1/26/2017	<0.005	<0.005	<0.005	<0.005
3/22/2017			0.0021 (J)	<0.005
3/23/2017	<0.005	0.0005 (J)		
5/24/2017	<0.005	<0.005	<0.005	
5/25/2017				<0.005
4/3/2018		<0.005	<0.005	<0.005
4/4/2018	<0.005			
3/14/2019	<0.005	<0.005		
3/15/2019			<0.005	<0.005
4/4/2019		<0.005	<0.005	
4/5/2019	<0.005			<0.005
9/24/2019	<0.005	0.00041 (J)		
9/25/2019			<0.005	<0.005
3/3/2020	0.00042 (J)	<0.005	0.00071 (J)	0.0018 (J)
3/26/2020		<0.005		
3/30/2020	0.00066 (J)		0.0004 (J)	
3/31/2020				<0.005
9/16/2020				<0.005
9/17/2020		<0.005	<0.005	
9/18/2020	<0.005			
2/10/2021			<0.005	
2/11/2021	<0.005			0.00074 (J)
2/12/2021		<0.005		
3/16/2021		0.0012 (J)		
3/17/2021	<0.005		<0.005	
3/18/2021				0.00069 (J)
8/18/2021	<0.005			<0.005
8/19/2021		<0.005	<0.005	
2/8/2022		<0.005	<0.005	<0.005
2/9/2022	<0.005			
8/10/2022			<0.005	<0.005
8/11/2022	<0.005	<0.005		
1/30/2023				<0.005
2/1/2023	<0.005	<0.005	<0.005	
8/13/2023	<0.005	<0.005	<0.005	<0.005
2/17/2024	<0.005	<0.005		<0.005
2/18/2024			<0.005	
8/8/2024		<0.005		<0.005
8/9/2024			<0.005	
8/10/2024	<0.005			
2/16/2025				<0.005
2/17/2025		<0.005	<0.005	
2/18/2025	<0.005			
Mean	0.004643	0.004484	0.004528	0.004529
Std. Dev.	0.001235	0.001431	0.001329	0.001314
Upper Lim.	0.005	0.005	0.005	0.005

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17
Lower Lim.	0.00066	0.0012	0.0021	0.0018

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-18	MW-21D	MW-22	MW-23D
5/24/2016	<0.005			
7/12/2016	<0.005			
9/1/2016	<0.005			
10/25/2016	<0.005			
12/8/2016	<0.005			
1/26/2017	<0.005			
3/23/2017	0.0005 (J)			
5/25/2017	<0.005			
4/3/2018	<0.005			
3/14/2019	<0.005			<0.005
3/15/2019		<0.005	<0.005	
4/4/2019		<0.005		
4/5/2019	<0.005		<0.005	<0.005
9/25/2019	<0.005	<0.005		
9/26/2019				<0.005
9/27/2019			0.0004 (J)	
3/2/2020			<0.005	<0.005
3/3/2020	0.0004 (J)	<0.005		
3/27/2020			<0.005	
3/31/2020	<0.005			
4/1/2020		<0.005		0.00086 (J)
6/17/2020		0.00057 (J)		
9/15/2020	0.00063 (J)			
9/17/2020			<0.005	<0.005
9/21/2020		<0.005		
2/11/2021	<0.005	<0.005		
2/12/2021				<0.005
2/15/2021			<0.005	
3/17/2021			0.00075 (J)	0.00083 (J)
3/18/2021	<0.005	0.00074 (J)		
8/19/2021	<0.005	<0.005	<0.005	<0.005
2/8/2022	<0.005	<0.005	<0.005	
2/10/2022				<0.005
8/10/2022	<0.005			
8/11/2022		<0.005	<0.005	<0.005
1/27/2023		<0.005		
1/30/2023			<0.005	
2/1/2023	<0.005			<0.005
8/12/2023		<0.005		
8/13/2023	<0.005		<0.005	<0.005
2/18/2024	<0.005	<0.005	<0.005	<0.005
8/9/2024	<0.005	<0.005		<0.005
8/10/2024			<0.005	
2/17/2025				<0.005
2/18/2025	<0.005	<0.005	<0.005	
Mean	0.004461	0.004489	0.004447	0.004481
Std. Dev.	0.00149	0.001443	0.001513	0.001419
Upper Lim.	0.005	0.005	0.005	0.005
Lower Lim.	0.00063	0.00074	0.00075	0.00086

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-37D
4/1/2020	0.00069 (J)			
6/17/2020	<0.005			
6/18/2020		0.0059 (J)	<0.005	0.0048 (J)
9/21/2020	<0.005		0.00079 (J)	
9/23/2020		<0.005		<0.005
2/11/2021				0.0014 (J)
2/12/2021	<0.005			
2/15/2021			<0.005	
3/12/2021				<0.005
3/18/2021	<0.005			
3/19/2021			0.00083 (J)	
8/16/2021		<0.005		
8/18/2021	<0.005		<0.005	<0.005
2/8/2022	<0.005		<0.005	<0.005
2/9/2022		<0.005		
8/10/2022	<0.005	<0.005		<0.005
8/11/2022			<0.005	
1/27/2023	<0.005			
1/30/2023		<0.005		<0.005
2/1/2023			<0.005	
8/12/2023		<0.005	<0.005	
8/13/2023	<0.005			<0.005
2/18/2024	<0.005	<0.005		<0.005
2/19/2024			<0.005	
8/9/2024	0.0028 (J)		<0.005	
8/10/2024		<0.005		<0.005
2/16/2025	<0.005			
2/17/2025				<0.005
2/18/2025		<0.005		
3/6/2025			<0.005	
Mean	0.004499	0.00509	0.004302	0.004683
Std. Dev.	0.001296	0.0002846	0.001631	0.001036
Upper Lim.	0.005	0.005	0.005	0.005
Lower Lim.	0.0028	0.005	0.00083	0.0048

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17
5/23/2016	<0.25	0.0419 (J)	<0.005	0.0167
7/12/2016	0.0232	0.0393	<0.005	0.0148
9/1/2016	0.0248	0.045	<0.005	0.0151
10/24/2016	0.0253	0.0557		
10/25/2016			<0.005	0.0141
12/7/2016	0.0269	0.0536	<0.005	0.0141
1/26/2017	0.0294	0.055	<0.005	0.0154
3/22/2017			<0.005	0.0169
3/23/2017	0.0311	0.0715		
5/24/2017	0.0279	0.0446	<0.005	
5/25/2017				0.0154
4/3/2018		0.032	<0.005	0.016
4/4/2018	0.025			
6/6/2018	0.027	0.032	<0.005	0.018
10/3/2018	0.023	0.051	<0.005	0.016
3/14/2019	0.025	0.038		
3/15/2019			<0.005	0.017
4/4/2019		0.035	0.00028 (J)	
4/5/2019	0.021			0.016
9/24/2019	0.026	0.022		
9/25/2019			<0.005	0.015
3/3/2020	0.029	0.03	0.00037 (J)	0.016
3/26/2020		0.022		
3/30/2020	0.028		<0.005	
3/31/2020				0.016
9/16/2020				0.013
9/17/2020		0.026	<0.005	
9/18/2020	0.027			
2/10/2021			<0.005	
2/11/2021	0.033			0.012
2/12/2021		0.019		
3/16/2021		0.018		
3/17/2021	0.034		<0.005	
3/18/2021				0.012
8/18/2021	0.033			0.009
8/19/2021		0.011	<0.005	
2/8/2022		0.0081	<0.005	0.0066
2/9/2022	0.038			
8/10/2022			<0.005	0.012
8/11/2022	0.037	0.0088		
1/30/2023				0.011
2/1/2023	0.035	0.0091	<0.005	
8/13/2023	0.036	0.0016 (J)	<0.005	0.009
2/17/2024	0.038	0.0058		0.0036 (J)
2/18/2024			<0.005	
8/8/2024		0.0024 (J)		0.0045 (J)
8/9/2024			<0.005	
8/10/2024	0.037			
2/16/2025				<0.005
2/17/2025		0.007	<0.005	
2/18/2025	0.031			
Mean	0.03321	0.02909	0.004654	0.01288

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17
Std. Dev.	0.01901	0.01918	0.001248	0.004345
Upper Lim.	0.035	0.03824	0.005	0.01511
Lower Lim.	0.0253	0.01994	0.00037	0.01182

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-18	MW-21D	MW-22	MW-23D
5/24/2016	0.17 (J)			
7/12/2016	0.168			
9/1/2016	0.18			
10/25/2016	0.188			
12/8/2016	0.206			
1/26/2017	0.195			
3/23/2017	0.223			
5/25/2017	0.209			
4/3/2018	0.19			
6/5/2018	0.19			
10/3/2018	0.19			
3/14/2019	0.16			0.0013 (J)
3/15/2019		<0.005	0.028	
4/4/2019		0.00034 (J)		
4/5/2019	0.14		0.022	0.0012 (J)
9/25/2019	0.18	<0.005		
9/26/2019				0.00098 (J)
9/27/2019			0.035	
3/2/2020			0.043	0.0011 (J)
3/3/2020	0.15	<0.005		
3/27/2020			0.025	
3/31/2020	0.16			
4/1/2020		<0.005		0.0011 (J)
6/17/2020		<0.005		
9/15/2020	0.16			
9/17/2020			0.029	0.00096 (J)
9/21/2020		<0.005		
2/10/2021	0.14			
2/11/2021	0.14	<0.005		
2/12/2021				0.001 (J)
2/15/2021			0.038	
3/17/2021			0.039	0.0011 (J)
3/18/2021	0.14	<0.005		
8/19/2021	0.15	<0.005	0.022	0.00089 (J)
2/8/2022	0.16	<0.005	0.034	
2/10/2022				0.001 (J)
8/10/2022	0.16			
8/11/2022		<0.005	0.015	0.00088 (J)
1/27/2023		<0.005		
1/30/2023			0.027	
2/1/2023	0.11			0.00081 (J)
8/12/2023		<0.005		
8/13/2023	0.14		0.0089	0.00073 (J)
2/18/2024	0.15	<0.005	0.019	0.00086 (J)
8/9/2024	0.091	<0.005		0.00068 (J)
8/10/2024			0.015	
2/17/2025				<0.005
2/18/2025	0.061	<0.005	0.025	
Mean	0.1608	0.004726	0.02656	0.001068
Std. Dev.	0.03523	0.00113	0.009569	0.000416
Upper Lim.	0.1772	0.005	0.03278	0.0012
Lower Lim.	0.1443	0.00034	0.02033	0.00081

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-37D
1/22/2020	0.052			
4/1/2020	0.058			
6/17/2020	0.053			
6/18/2020		0.011	0.091	0.0015 (J)
9/21/2020	0.047		0.084	
9/23/2020		0.0056		<0.005
2/11/2021				0.00048 (J)
2/12/2021	0.055			
2/15/2021			0.095	
3/12/2021				<0.005
3/18/2021	0.057			
3/19/2021			0.1	
8/16/2021		0.0093		
8/18/2021	0.054		0.085	<0.005
2/8/2022	0.048		0.09	<0.005
2/9/2022		0.0065		
8/10/2022	0.046	0.0066		<0.005
8/11/2022			0.082	
1/27/2023	0.034			
1/30/2023		0.0071		<0.005
2/1/2023			0.088	
8/12/2023		0.0058	0.082	
8/13/2023	0.061			<0.005
2/18/2024	0.042	0.0067		<0.005
2/19/2024			0.084	
8/9/2024	0.068		0.084	
8/10/2024		0.0064		<0.005
2/16/2025	0.029			
2/17/2025				<0.005
2/18/2025		0.0035 (J)		
3/6/2025			0.082	
Mean	0.05029	0.00685	0.08725	0.004332
Std. Dev.	0.01038	0.002044	0.005754	0.001576
Upper Lim.	0.05764	0.008673	0.09167	0.005
Lower Lim.	0.04293	0.005027	0.08278	0.0015

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-51
8/18/2021	0.03
2/8/2022	0.031
8/11/2022	0.027
2/1/2023	0.021 (J)
8/12/2023	0.022
2/19/2024	0.046
8/9/2024	0.027
3/6/2025	0.014
Mean	0.02725
Std. Dev.	0.009377
Upper Lim.	0.03719
Lower Lim.	0.01731

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17
5/23/2016	0.568	0.171		0.618
7/1/2016			0	
7/12/2016	1.31	0.611	0.182	0.867
9/1/2016	1.64	0.766	1.23	0.857
10/24/2016	1.88	0.969		
10/25/2016			1.05	1.11
12/7/2016	1.35	0.302	1.11	0.964
1/26/2017	2.1	0.626	1.29	0.612
3/22/2017			0.453	0.437
3/23/2017	1.17	0.662		
5/24/2017	1 (U)	0.202 (U)	1.05	
5/25/2017				1.21 (U)
4/3/2018		0.384	0.783	0.409
4/4/2018	1.72			
6/6/2018	1.31	1.32	0.595 (U)	0.772 (U)
10/3/2018	1.48	0.858 (U)	1.03 (U)	1.08 (U)
3/14/2019	1.5	0.462 (U)		
3/15/2019			0.591 (U)	0.917 (U)
4/4/2019		0.512 (U)	0.96 (U)	
4/5/2019	1.43 (U)			1.07 (U)
9/24/2019	1.17	0.582 (U)		
9/25/2019			0.643 (U)	1.54
3/3/2020	1.84	1.43	1.32	1.33
3/26/2020		0.855 (U)		
3/30/2020	1.08 (U)		0.288 (U)	
3/31/2020				0.591 (U)
9/16/2020				0.295 (U)
9/17/2020		0.395 (U)	1.1 (U)	
9/18/2020	1.8 (U)			
2/10/2021			0.773 (U)	
2/11/2021	0.73 (U)			0.831 (U)
2/12/2021		1.65		
3/16/2021		0.801 (U)		
3/17/2021	1.84		0.228 (U)	
3/18/2021				0.856 (U)
8/18/2021	0.858 (U)			0.548 (U)
8/19/2021		0.527 (U)	0.668 (U)	
2/8/2022		0.0242 (U)	0.168 (U)	1 (U)
2/9/2022	0.346 (U)			
8/10/2022			0.249 (U)	0.361 (U)
8/11/2022	1.31	0.656 (U)		
1/30/2023				0.5 (U)
2/1/2023	1.13	0.626 (U)	0.757 (U)	
8/13/2023	0.801 (U)	0.785 (U)	0.281 (U)	0.678 (U)
2/17/2024	0.439 (U)	0.576 (U)		0.633 (U)
2/18/2024			0.248 (U)	
8/8/2024		0.124 (U)		0.721 (U)
8/9/2024			0.51 (U)	
8/10/2024	0.844 (U)			
2/16/2025				1.24 (U)
2/17/2025		0.191 (U)	0.825 (U)	
2/18/2025	0.685 (U)			

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17
Mean	1.234	0.6321	0.6808	0.8166
Std. Dev.	0.4732	0.3892	0.3886	0.3144
Upper Lim.	1.46	0.8178	0.8662	0.9665
Lower Lim.	1.009	0.4465	0.4955	0.6666

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-18	MW-21D	MW-22	MW-23D
5/24/2016	1.82			
7/12/2016	1.76			
9/1/2016	1.51			
10/25/2016	2.69			
12/8/2016	2.21			
1/26/2017	2.26			
3/23/2017	1.81			
5/25/2017	1.63			
4/3/2018	2.53			
6/5/2018	1.91			
10/3/2018	2.22			
3/14/2019	1.37 (U)			0.872 (U)
3/15/2019		0.972 (U)	0.977	
4/4/2019		0.791 (U)		
4/5/2019	2.22		1.06 (U)	0.932 (U)
9/25/2019	2.77	0.751 (U)		
9/26/2019				1.25
9/27/2019			1.44 (U)	
3/2/2020			0.872 (U)	0.964 (U)
3/3/2020	2.35	1.94		
3/27/2020			0.96 (U)	
3/31/2020	2.7			
4/1/2020		0.758 (U)		0.914 (U)
6/17/2020		0.691 (U)		
9/15/2020	1.65			
9/17/2020			0.0879 (U)	0.32 (U)
9/21/2020		0.436 (U)		
2/11/2021	1.11	0.317 (U)		
2/12/2021				1.21 (U)
2/15/2021			0.215 (U)	
3/17/2021			0.981 (U)	0.579 (U)
3/18/2021	1.63	0.5 (U)		
8/19/2021	1.45	1.17	0.689 (U)	0.69 (U)
2/8/2022	0.93 (U)	0.463 (U)	0.0657 (U)	
2/10/2022				0.919 (U)
8/10/2022	1.46			
8/11/2022		0.691 (U)	0.789 (U)	0.39 (U)
1/27/2023		0.256 (U)		
1/30/2023			0.621 (U)	
2/1/2023	0.871			0.406 (U)
8/12/2023		0.297 (U)		
8/13/2023	1.03		0.361 (U)	0.0608 (U)
2/18/2024	0.757 (U)	0.127 (U)	0.471 (U)	0.339 (U)
8/9/2024	1.12	0.526 (U)		0.965 (U)
8/10/2024			0.57 (U)	
2/17/2025				0.243 (U)
2/18/2025	1.56 (U)	0.925 (U)	0.976 (U)	
Mean	1.753	0.683	0.696	0.6909
Std. Dev.	0.5867	0.4274	0.3844	0.3622
Upper Lim.	2.033	0.8932	0.9461	0.9265
Lower Lim.	1.473	0.4068	0.4459	0.4552

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-37D
4/1/2020	2.57			
6/17/2020	1.43 (U)			
6/18/2020		1.36	2.02	1.79
9/21/2020	2.53		3.85	
9/23/2020		0.563 (U)		0.98 (U)
2/11/2021				0.12 (U)
2/12/2021	2.26			
2/15/2021			1.52	
3/12/2021				0.578 (U)
3/18/2021	0.733 (U)			
3/19/2021			0.524 (U)	
8/16/2021		0.693 (U)		
8/18/2021	1.77		1.67	1.31
2/8/2022	0.967 (U)		1.38	0.345 (U)
2/9/2022		0.297 (U)		
8/10/2022	1.52	1.05		0.505 (U)
8/11/2022			1.71	
1/27/2023	1.44 (U)			
1/30/2023		0.689 (U)		0.309 (U)
2/1/2023			1.24	
8/12/2023		0.676 (U)	0.897 (U)	
8/13/2023	0.773 (U)			0.308 (U)
2/18/2024	0.552 (U)	0.515 (U)		0.535 (U)
2/19/2024			1.43	
8/9/2024	0.729 (U)		0.703 (U)	
8/10/2024		0.59 (U)		0.769 (U)
2/16/2025	1.11 (U)			
2/17/2025				0.656 (U)
2/18/2025		0.911 (U)		
3/6/2025			1.17 (U)	
Mean	1.414	0.7344	1.51	0.6838
Std. Dev.	0.6962	0.3017	0.8535	0.4759
Upper Lim.	1.932	1.004	2.069	1.057
Lower Lim.	0.8965	0.4652	0.8903	0.3103

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-51
8/18/2021	0.973 (U)
2/8/2022	0.431 (U)
8/11/2022	1.02
2/1/2023	0.82 (U)
8/12/2023	0.484 (U)
2/19/2024	0.995 (U)
8/9/2024	0.478 (U)
3/6/2025	0.605 (U)
Mean	0.7258
Std. Dev.	0.2537
Upper Lim.	1.01
Lower Lim.	0.4656

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17
5/23/2016	<0.1	<0.1	0.038 (J)	<0.3
7/12/2016	0.2 (J)	0.09 (J)	0.26 (J)	0.09 (J)
9/1/2016	0.08 (J)	0.22 (J)	0.42	0.03 (J)
10/24/2016	0.04 (J)	0.07 (J)		
10/25/2016			0.25 (J)	0.07 (J)
12/7/2016	0.11 (J)	0.23 (J)	0.23 (J)	0.54
1/26/2017	0.13 (J)	<0.1	0.02 (J)	<0.3
3/22/2017			0.3	0.07 (J)
3/23/2017	0.28 (J)	0.12 (J)		
5/24/2017	0.32	0.31	0.46	
5/25/2017				0.42
10/4/2017	0.52	0.6	<0.1	0.93
4/3/2018		<0.1	<0.1	<0.3
4/4/2018	<0.1			
6/6/2018	0.25 (J)	0.17 (J)	<0.1	0.23 (J)
10/3/2018	0.21 (J)	<0.1	<0.1	<0.3
3/14/2019	0.24 (J)	<0.1		
3/15/2019			<0.1	<0.3
4/4/2019		0.066 (J)	<0.1	
4/5/2019	0.66			0.16 (J)
9/24/2019	0.053 (J)	0.12 (J)		
9/25/2019			<0.1	0.081 (J)
3/3/2020	<0.1	0.064 (J)	<0.1	<0.3
3/26/2020		<0.1		
3/30/2020	0.092 (J)		0.059 (J)	
3/31/2020				<0.3
9/16/2020				0.058 (J)
9/17/2020		<0.1	<0.1	
9/18/2020	<0.1			
2/10/2021			0.21	
2/11/2021	0.059 (J)			0.058 (J)
2/12/2021		0.053 (J)		
3/16/2021		<0.1		
3/17/2021	0.076 (J)		<0.1	
3/18/2021				0.057 (J)
8/18/2021	<0.1			0.062 (J)
8/19/2021		<0.1	<0.1	
2/8/2022		<0.1	<0.1	0.055 (J)
2/9/2022	0.053 (J)			
8/10/2022			0.054 (J)	0.086 (J)
8/11/2022	0.085 (J)	0.097 (J)		
1/30/2023				0.097 (J)
2/1/2023	0.094 (J)	0.086 (J)	0.053 (J)	
8/13/2023	0.1	0.12	0.053 (J)	0.081 (J)
2/17/2024	0.065 (J)	0.064 (J)		0.057 (J)
2/18/2024			<0.1	
8/8/2024		0.08 (J)		0.066 (J)
8/9/2024			0.052 (J)	
8/10/2024	0.19			
2/16/2025				0.05 (J)
2/17/2025		0.052 (J)	<0.1	
2/18/2025	0.055 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17
Mean	0.1594	0.129	0.1378	0.1946
Std. Dev.	0.144	0.1085	0.1105	0.1979
Upper Lim.	0.158	0.12	0.1045	0.1255
Lower Lim.	0.07802	0.086	0.04441	0.05841

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-18	MW-21D	MW-22	MW-23D
5/24/2016	<0.3			
7/12/2016	0.54			
9/1/2016	0.49			
10/25/2016	0.58			
12/8/2016	0.63			
1/26/2017	0.71			
3/23/2017	0.57			
5/25/2017	0.54			
10/4/2017	0.95			
4/3/2018	0.33			
6/5/2018	0.66			
10/3/2018	0.32			
3/14/2019	0.88			<0.1
3/15/2019		<0.1	<0.1	
4/4/2019		0.1 (J)		
4/5/2019	0.37		0.13 (J)	0.14 (J)
9/25/2019	0.73	<0.1		
9/26/2019				0.16 (J)
9/27/2019			0.28 (J)	
3/2/2020			<0.1	<0.1
3/3/2020	0.34	<0.1		
3/27/2020			<0.1	
3/31/2020	0.45			
4/1/2020		<0.1		<0.1
6/17/2020		<0.1		
9/15/2020	0.31			
9/17/2020			<0.1	<0.1
9/21/2020		<0.1		
2/11/2021	0.71	<0.1		
2/12/2021				<0.1
2/15/2021			<0.1	
3/17/2021			<0.1	<0.1
3/18/2021	0.64	<0.1		
8/19/2021	0.31	<0.1	<0.1	<0.1
2/8/2022	0.19	<0.1	<0.1	
2/10/2022				<0.1
8/10/2022	0.3			
8/11/2022		0.056 (J)	0.063 (J)	0.06 (J)
1/27/2023		0.05 (J)		
1/30/2023			0.064 (J)	
2/1/2023	0.21			0.074 (J)
8/12/2023		<0.1		
8/13/2023	0.25		0.057 (J)	0.061 (J)
2/18/2024	0.17	<0.1	<0.1	<0.1
8/9/2024	0.28	0.078 (J)		0.075 (J)
8/10/2024			0.078 (J)	
2/17/2025				<0.1
2/18/2025	0.067 (J)	<0.1	<0.1	
Mean	0.4528	0.09318	0.1045	0.09813
Std. Dev.	0.2302	0.01606	0.05032	0.02525
Upper Lim.	0.5603	0.1	0.13	0.14
Lower Lim.	0.3452	0.1	0.064	0.074

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-37D
1/22/2020	0.18 (J)			
4/1/2020	0.15 (J)			
6/17/2020	0.25			
6/18/2020		0.082 (J)	0.053 (J)	0.1
9/21/2020	0.14		<0.1	
9/23/2020		<0.1		0.065 (J)
2/11/2021				0.077 (J)
2/12/2021	0.25			
2/15/2021			0.093 (J)	
3/12/2021				0.061 (J)
3/18/2021	0.4			
3/19/2021			0.082 (J)	
8/16/2021		0.066 (J)		
8/18/2021	0.16		0.052 (J)	0.05 (J)
2/8/2022	0.14		0.065 (J)	0.055 (J)
2/9/2022		0.051 (J)		
8/10/2022	0.21	0.081 (J)		0.084 (J)
8/11/2022			0.088 (J)	
1/27/2023	0.087 (J)			
1/30/2023		0.089 (J)		0.092 (J)
2/1/2023			0.1	
8/12/2023		0.062 (J)	0.077 (J)	
8/13/2023	0.22			0.11
2/18/2024	0.088 (J)	<0.1		0.05 (J)
2/19/2024			0.16	
8/9/2024	0.39		0.13	
8/10/2024		0.1		0.094 (J)
2/16/2025	0.089 (J)			
2/17/2025				<0.1
2/18/2025		<0.1		
3/6/2025			0.066 (J)	
Mean	0.1967	0.0831	0.08467	0.074
Std. Dev.	0.1003	0.01811	0.03319	0.02162
Upper Lim.	0.2678	0.08987	0.1107	0.09097
Lower Lim.	0.1257	0.06184	0.05862	0.05703

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-51
8/18/2021	0.072 (J)
2/8/2022	0.078 (J)
8/11/2022	0.11
2/1/2023	0.18
8/12/2023	0.1
2/19/2024	0.12
8/9/2024	0.15
3/6/2025	0.078 (J)
Mean	0.111
Std. Dev.	0.03814
Upper Lim.	0.1514
Lower Lim.	0.07057

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17
5/23/2016	0.00182 (J)	<0.001	<0.001	<0.001
7/12/2016	0.0015 (J)	<0.001	<0.001	<0.001
9/1/2016	0.0016 (J)	<0.001	<0.001	<0.001
10/24/2016	0.0016 (J)	<0.001		
10/25/2016			<0.001	<0.001
12/7/2016	0.0018 (J)	<0.001	<0.001	<0.001
1/26/2017	0.002 (J)	<0.001	0.0001 (J)	<0.001
3/22/2017			0.0002 (J)	0.0001 (J)
3/23/2017	0.0019 (J)	0.001 (J)		
5/24/2017	0.0016 (J)	0.0001 (J)	0.0001 (J)	
5/25/2017				<0.001
4/3/2018		<0.001	<0.001	<0.001
4/4/2018	<0.001			
3/14/2019	0.0014 (J)	<0.001		
3/15/2019			<0.001	<0.001
4/4/2019		7.2E-05 (J)	0.00016 (J)	
4/5/2019	0.0012 (J)			7.6E-05 (J)
9/24/2019	0.0013 (J)	0.0002 (J)		
9/25/2019			<0.001	8.9E-05 (J)
3/3/2020	0.0017 (J)	5.3E-05 (J)	0.00016 (J)	0.00013 (J)
3/26/2020		<0.001		
3/30/2020	0.0015 (J)		7.3E-05 (J)	
3/31/2020				7.7E-05 (J)
9/16/2020				6.5E-05 (J)
9/17/2020		<0.001	7.8E-05 (J)	
9/18/2020	0.0012 (J)			
2/10/2021			9.4E-05 (J)	
2/11/2021	0.0015 (J)			0.00018 (J)
2/12/2021		<0.001		
3/16/2021		<0.001		
3/17/2021	0.0019		5.8E-05 (J)	
3/18/2021				8.8E-05 (J)
8/18/2021	0.0015			<0.001
8/19/2021		<0.001	<0.001	
2/8/2022		<0.001	<0.001	<0.001
2/9/2022	0.0014			
8/10/2022			<0.001	<0.001
8/11/2022	<0.001	<0.001		
1/30/2023				<0.001
2/1/2023	0.0011	<0.001	<0.001	
8/13/2023	0.00079 (J)	<0.001	<0.001	0.00049 (J)
2/17/2024	0.0012	<0.001		<0.001
2/18/2024			<0.001	
8/8/2024		<0.001		0.00032 (J)
8/9/2024			<0.001	
8/10/2024	0.0012			
2/16/2025				<0.001
2/17/2025		<0.001	<0.001	
2/18/2025	0.00097 (J)			
Mean	0.001387	0.000857	0.0006809	0.0006646
Std. Dev.	0.000402	0.0003352	0.0004351	0.0004277
Upper Lim.	0.001588	0.001	0.001	0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17
Lower Lim.	0.001187	0.001	0.00016	0.00013

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-18	MW-21D	MW-22	MW-23D
5/24/2016	0.00154 (J)			
7/12/2016	0.0012 (J)			
9/1/2016	0.0014 (J)			
10/25/2016	0.0015 (J)			
12/8/2016	0.0017 (J)			
1/26/2017	0.0013 (J)			
3/23/2017	0.001 (J)			
5/25/2017	0.0012 (J)			
4/3/2018	<0.001			
3/14/2019	0.0015 (J)			<0.001
3/15/2019		<0.001	<0.001	
4/4/2019		<0.001		
4/5/2019	0.0015 (J)		<0.001	<0.001
9/25/2019	0.0015 (J)	<0.001		
9/26/2019				<0.001
9/27/2019			0.0001 (J)	
3/2/2020			9.4E-05 (J)	5.1E-05 (J)
3/3/2020	0.0013 (J)	4.7E-05 (J)		
3/27/2020			<0.001	
3/31/2020	0.0014 (J)			
4/1/2020		4.8E-05 (J)		<0.001
6/17/2020		<0.001		
9/15/2020	0.0014 (J)			
9/17/2020			<0.001	0.00016 (J)
9/21/2020		<0.001		
2/11/2021	0.00098 (J)	0.00066 (J)		
2/12/2021				<0.001
2/15/2021			3.6E-05 (J)	
3/17/2021			<0.001	<0.001
3/18/2021	0.00096 (J)	7.3E-05 (J)		
8/19/2021	0.0013	<0.001	<0.001	<0.001
2/8/2022	0.0009 (J)	<0.001	<0.001	
2/10/2022				<0.001
8/10/2022	0.0011			
8/11/2022		<0.001	<0.001	<0.001
1/27/2023		<0.001		
1/30/2023			<0.001	
2/1/2023	<0.001			<0.001
8/12/2023		<0.001		
8/13/2023	0.00075 (J)		<0.001	<0.001
2/18/2024	0.0011	<0.001	<0.001	<0.001
8/9/2024	0.0007 (J)	<0.001		<0.001
8/10/2024			<0.001	
2/17/2025				<0.001
2/18/2025	0.00038 (J)	<0.001	<0.001	
Mean	0.001144	0.0008134	0.0008269	0.0008882
Std. Dev.	0.0003628	0.0003706	0.0003724	0.0003062
Upper Lim.	0.001325	0.001	0.001	0.001
Lower Lim.	0.0009636	0.00066	0.0001	0.00016

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-37D
4/1/2020	0.0017 (J)			
6/17/2020	0.0017 (J)			
6/18/2020		0.00087 (J)	0.00016 (J)	0.0017 (J)
9/21/2020	0.0017 (J)		0.00099 (J)	
9/23/2020		<0.001		8.2E-05 (J)
2/11/2021				0.00039 (J)
2/12/2021	0.0018 (J)			
2/15/2021			0.00055 (J)	
3/12/2021				<0.001
3/18/2021	0.0017			
3/19/2021			0.00066 (J)	
8/16/2021		<0.001		
8/18/2021	0.0016		<0.001	<0.001
2/8/2022	0.0014		<0.001	<0.001
2/9/2022		<0.001		
8/10/2022	<0.001	<0.001		<0.001
8/11/2022			<0.001	
1/27/2023	<0.001			
1/30/2023		<0.001		<0.001
2/1/2023			<0.001	
8/12/2023		<0.001	0.00035 (J)	
8/13/2023	0.0011			<0.001
2/18/2024	0.00084 (J)	<0.001		<0.001
2/19/2024			0.0006 (J)	
8/9/2024	0.0023		0.00068 (J)	
8/10/2024		<0.001		<0.001
2/16/2025	0.00041 (J)			
2/17/2025				<0.001
2/18/2025		<0.001		
3/6/2025			0.00035 (J)	
Mean	0.001404	0.000987	0.000695	0.000931
Std. Dev.	0.0005061	4.111E-05	0.0003037	0.000387
Upper Lim.	0.001597	0.001	0.0007266	0.0017
Lower Lim.	0.0007456	0.001	0.0003109	0.00039

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17
5/23/2016	<0.03	<0.03	<0.03	<0.03
7/12/2016	<0.03	<0.03	0.0037 (J)	<0.03
9/1/2016	<0.03	0.0021 (J)	0.0033 (J)	<0.03
10/24/2016	<0.03	<0.03		
10/25/2016			0.0029 (J)	<0.03
12/7/2016	<0.03	<0.03	0.0029 (J)	<0.03
1/26/2017	<0.03	<0.03	0.0028 (J)	<0.03
3/22/2017			0.0025 (J)	<0.03
3/23/2017	<0.03	0.0016 (J)		
5/24/2017	<0.03	0.0029 (J)	0.0029 (J)	
5/25/2017				0.0011 (J)
4/3/2018		0.0026 (J)	0.0028 (J)	<0.03
4/4/2018	<0.03			
6/6/2018	<0.03	0.0013 (J)	0.0031 (J)	<0.03
10/3/2018	<0.03	0.0017 (J)	0.0026 (J)	<0.03
3/14/2019	<0.03	<0.03		
3/15/2019			0.0041 (J)	0.0011 (J)
4/4/2019		0.0009 (J)	0.0032 (J)	
4/5/2019	<0.03			0.00074 (J)
9/24/2019	<0.03	0.0012 (J)		
9/25/2019			0.0038 (J)	0.0011 (J)
3/3/2020	<0.03	0.0084 (J)	0.0047 (J)	0.0012 (J)
3/26/2020		0.0061 (J)		
3/30/2020	<0.03		0.0041 (J)	
3/31/2020				0.0009 (J)
9/16/2020				0.0012 (J)
9/17/2020		0.0094 (J)	0.0043 (J)	
9/18/2020	<0.03			
2/10/2021			0.0038 (J)	
2/11/2021	<0.03			0.0013 (J)
2/12/2021		0.036		
3/16/2021		0.032		
3/17/2021	<0.03		0.0048 (J)	
3/18/2021				0.0014 (J)
8/18/2021	<0.03			0.0012 (J)
8/19/2021		0.0058 (J)	0.0042 (J)	
2/8/2022		0.014 (J)	0.0034 (J)	0.0014 (J)
2/9/2022	<0.03			
8/10/2022			0.0032 (J)	0.0014 (J)
8/11/2022	<0.03	0.0025 (J)		
1/30/2023				0.0014 (J)
2/1/2023	<0.03	0.016 (J)	0.0036 (J)	
8/13/2023	<0.03	0.0047 (J)	0.003 (J)	0.0018 (J)
2/17/2024	0.0029 (J)	0.014 (J)		<0.03
2/18/2024			0.003 (J)	
8/8/2024		0.0042 (J)		0.0017 (J)
8/9/2024			0.0028 (J)	
8/10/2024	<0.03			
2/16/2025				0.00123 (J)
2/17/2025		0.0146 (J)	0.00272 (J)	
2/18/2025	0.000675 (J)			
Mean	0.02791	0.01341	0.003823	0.01297

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17
Std. Dev.	0.007536	0.01245	0.002325	0.01439
Upper Lim.	0.03	0.007193	0.0041	0.03
Lower Lim.	0.0029	0.002703	0.0029	0.0012

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-18	MW-21D	MW-22	MW-23D
5/24/2016	0.0142 (J)			
7/12/2016	0.0141 (J)			
9/1/2016	0.0158 (J)			
10/25/2016	0.016 (J)			
12/8/2016	0.0144 (J)			
1/26/2017	0.0136 (J)			
3/23/2017	0.0151 (J)			
5/25/2017	0.0154 (J)			
4/3/2018	0.013 (J)			
6/5/2018	0.013 (J)			
10/3/2018	0.015 (J)			
3/14/2019	0.011 (J)			0.0028 (J)
3/15/2019		0.025 (J)	0.002 (J)	
4/4/2019		0.019 (J)		
4/5/2019	0.0084 (J)		0.0013 (J)	0.0021 (J)
9/25/2019	0.015 (J)	0.024 (J)		
9/26/2019				0.0023 (J)
9/27/2019			0.0013 (J)	
3/2/2020			0.0015 (J)	0.0025 (J)
3/3/2020	0.012 (J)	0.026 (J)		
3/27/2020			0.0013 (J)	
3/31/2020	0.012 (J)			
4/1/2020		0.026 (J)		0.0024 (J)
6/17/2020		0.023 (J)		
9/15/2020	0.014 (J)			
9/17/2020			0.0011 (J)	0.0021 (J)
9/21/2020		0.022 (J)		
2/11/2021	0.011 (J)	0.021 (J)		
2/12/2021				0.0023 (J)
2/15/2021			0.0011 (J)	
3/17/2021			0.0012 (J)	0.0024 (J)
3/18/2021	0.013 (J)	0.026 (J)		
8/19/2021	0.013 (J)	0.022 (J)	0.0012 (J)	0.0022 (J)
2/8/2022	0.01 (J)	0.022 (J)	0.0011 (J)	
2/10/2022				0.0029 (J)
8/10/2022	0.012 (J)			
8/11/2022		0.022 (J)	0.0011 (J)	0.002 (J)
1/27/2023		0.018 (J)		
1/30/2023			0.0011 (J)	
2/1/2023	0.0093 (J)			0.0019 (J)
8/12/2023		0.015 (J)		
8/13/2023	0.012 (J)		0.0014 (J)	0.0017 (J)
2/18/2024	0.0098 (J)	0.012 (J)	<0.03	0.0016 (J)
8/9/2024	0.011 (J)	0.011 (J)		<0.03
8/10/2024			<0.03	
2/17/2025				0.00197 (J)
2/18/2025	0.00876 (J)	0.0119 (J)	0.00119 (J)	
Mean	0.01266	0.02035	0.002993	0.003011
Std. Dev.	0.002201	0.005084	0.004692	0.003216
Upper Lim.	0.01371	0.02361	0.002	0.0028
Lower Lim.	0.01161	0.01786	0.0011	0.0019

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-37D
4/1/2020	0.0011 (J)			
6/17/2020	0.00097 (J)			
6/18/2020		0.0021 (J)	0.0046 (J)	0.038 (J)
9/21/2020	0.00086 (J)		0.0036 (J)	
9/23/2020		0.0011 (J)		0.031
2/11/2021				0.034
2/12/2021	0.0011 (J)			
2/15/2021			0.0043 (J)	
3/12/2021				0.035
3/18/2021	0.0012 (J)			
3/19/2021			0.0045 (J)	
8/16/2021		0.001 (J)		
8/18/2021	0.00097 (J)		0.0036 (J)	0.03
2/8/2022	0.001 (J)		0.0039 (J)	0.029 (J)
2/9/2022		0.0022 (J)		
8/10/2022	0.0009 (J)	0.0015 (J)		0.025 (J)
8/11/2022			<0.03	
1/27/2023	<0.03			
1/30/2023		0.0013 (J)		0.021 (J)
2/1/2023			0.0034 (J)	
8/12/2023		0.0013 (J)	0.0031 (J)	
8/13/2023	0.00077 (J)			0.02 (J)
2/18/2024	<0.03	<0.03		0.021 (J)
2/19/2024			0.0031 (J)	
8/9/2024	0.0022 (J)		0.0034 (J)	
8/10/2024		<0.03		0.021 (J)
2/16/2025	0.000839 (J)			
2/17/2025				0.0216 (J)
2/18/2025		0.0023 (J)		
3/6/2025			0.00319 (J)	
Mean	0.005531	0.00728	0.004641	0.02722
Std. Dev.	0.01087	0.01198	0.003304	0.006414
Upper Lim.	0.0022	0.03	0.0046	0.03225
Lower Lim.	0.000839	0.0011	0.0031	0.02218

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-51
8/18/2021	0.0022 (J)
2/8/2022	0.001 (J)
8/11/2022	0.0014 (J)
2/1/2023	0.0015 (J)
8/12/2023	0.00098 (J)
2/19/2024	0.0017 (J)
8/9/2024	<0.03
3/6/2025	0.00184 (J)
Mean	0.003202
Std. Dev.	0.004784
Upper Lim.	0.015
Lower Lim.	0.00098

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-18	MW-22	MW-23D
5/23/2016	<0.0002			
5/24/2016		<0.0002		
7/12/2016	<0.0002	<0.0002		
9/1/2016	<0.0002	6E-05 (J)		
10/24/2016	<0.0002			
10/25/2016		4E-05 (J)		
12/7/2016	<0.0002			
12/8/2016		<0.0002		
1/26/2017	<0.0002	8E-05 (J)		
3/23/2017	<0.0002	9E-05 (J)		
5/24/2017	<0.0002			
5/25/2017		8E-05 (J)		
4/3/2018	<0.0002	<0.0002		
3/14/2019	<0.0002	<0.0002		<0.0002
3/15/2019			<0.0002	
9/24/2019	0.024			
9/25/2019		<0.0002		
3/2/2020			<0.0002	<0.0002
3/3/2020	<0.0002	<0.0002		
2/11/2021		<0.0002		
2/12/2021	<0.0002			<0.0002
2/15/2021			<0.0002	
2/8/2022	<0.0002	<0.0002	<0.0002	
2/10/2022				<0.0002
8/10/2022		<0.0002		
8/11/2022	<0.0002		0.00016 (J)	0.00017 (J)
1/30/2023			<0.0002	
2/1/2023	<0.0002	<0.0002		<0.0002
8/13/2023	<0.0002	<0.0002	<0.0002	<0.0002
2/17/2024	<0.0002			
2/18/2024		<0.0002	<0.0002	<0.0002
8/8/2024	<0.0002			
8/9/2024		<0.0002		<0.0002
8/10/2024			<0.0002	
2/17/2025	<0.0002			<0.0002
2/18/2025		<0.0002	<0.0002	
Mean	0.00139	0.0001675	0.000196	0.000197
Std. Dev.	0.005322	5.848E-05	1.265E-05	9.487E-06
Upper Lim.	0.024	0.0002	0.0002	0.0002
Lower Lim.	0.0002	9E-05	0.0002	0.0002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-35	MW-51
2/15/2021	<0.0002	
2/8/2022	0.00014 (J)	<0.0002
8/11/2022	0.00014 (J)	0.00013 (J)
2/1/2023	0.00084	<0.0002
8/12/2023	<0.0002	<0.0002
2/19/2024	<0.0002	<0.0002
8/9/2024	<0.0002	<0.0002
3/6/2025	0.00035	<0.0002
Mean	0.0002837	0.00019
Std. Dev.	0.000234	2.646E-05
Upper Lim.	0.00084	0.0002
Lower Lim.	0.00014	0.00013

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	MW-21D	MW-22	MW-23D
5/23/2016	<0.01			
7/12/2016	0.0007 (J)			
9/1/2016	<0.01			
10/24/2016	<0.01			
12/7/2016	<0.01			
1/26/2017	<0.01			
3/23/2017	<0.01			
5/24/2017	<0.01			
4/3/2018	<0.01			
3/14/2019	<0.01			<0.01
3/15/2019		0.045	<0.01	
4/4/2019	<0.01	0.033		
4/5/2019			0.00013 (J)	0.0014 (J)
9/24/2019	<0.01			
9/25/2019		0.038		
9/26/2019				0.0025 (J)
9/27/2019			<0.01	
3/2/2020			<0.01	0.003 (J)
3/3/2020	<0.01	0.025		
3/26/2020	<0.01			
3/27/2020			<0.01	
4/1/2020		0.024		0.0032 (J)
6/17/2020		0.019		
9/17/2020	<0.01		<0.01	0.0026 (J)
9/21/2020		0.017		
2/11/2021		0.016		
2/12/2021	<0.01			0.0039 (J)
2/15/2021			<0.01	
3/16/2021	<0.01			
3/17/2021			<0.01	0.0034 (J)
3/18/2021		0.016		
8/19/2021	<0.01	0.018	<0.01	0.0034 (J)
2/8/2022	<0.01	0.016	<0.01	
2/10/2022				0.0034 (J)
8/11/2022	<0.01	0.023	<0.01	0.0039 (J)
1/27/2023		0.028		
1/30/2023			<0.01	
2/1/2023	<0.01			0.0041 (J)
8/12/2023		0.021		
8/13/2023	<0.01		<0.01	0.0041 (J)
2/17/2024	<0.01			
2/18/2024		0.015	<0.01	0.0047 (J)
8/8/2024	<0.01			
8/9/2024		0.013		0.0044 (J)
8/10/2024			<0.01	
2/17/2025	<0.01			0.0039 (J)
2/18/2025		0.0098 (J)	<0.01	
Mean	0.009628	0.02216	0.009383	0.003556
Std. Dev.	0.00186	0.009332	0.002467	0.0009033
Upper Lim.	0.01	0.02801	0.01	0.004144
Lower Lim.	0.0007	0.01632	0.00013	0.002969

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-37D
6/18/2020	0.023
9/23/2020	0.015
2/11/2021	0.019
3/12/2021	0.014
8/18/2021	0.0083 (J)
2/8/2022	0.007 (J)
8/10/2022	0.0076 (J)
1/30/2023	0.0063 (J)
8/13/2023	0.0029 (J)
2/18/2024	0.0016 (J)
8/10/2024	0.0011 (J)
2/17/2025	<0.01
Mean	0.009233
Std. Dev.	0.00701
Upper Lim.	0.01473
Lower Lim.	0.003733

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17
5/23/2016	0.017	<0.005	<0.005	<0.005
7/12/2016	0.0146	<0.005	<0.005	<0.005
9/1/2016	0.0137	<0.005	<0.005	0.0014 (J)
10/24/2016	0.0135	0.0012 (J)		
10/25/2016			<0.005	<0.005
12/7/2016	0.01 (J)	0.0041 (J)	<0.005	0.0023 (J)
1/26/2017	0.0214	<0.005	<0.005	<0.005
3/22/2017			<0.005	<0.005
3/23/2017	0.0167	0.0016 (J)		
5/24/2017	0.0083 (J)	<0.005	<0.005	
5/25/2017				<0.005
4/3/2018		<0.005	<0.005	<0.005
4/4/2018	0.012			
6/6/2018	0.014	<0.005	<0.005	<0.005
10/3/2018	0.0056 (J)	<0.005	<0.005	<0.005
3/14/2019	0.0048 (J)	<0.005		
3/15/2019			<0.005	<0.005
4/4/2019		0.00021 (J)	8.9E-05 (J)	
4/5/2019	0.00091 (J)			9.3E-05 (J)
9/24/2019	0.0064 (J)	<0.005		
9/25/2019			<0.005	<0.005
3/3/2020	0.0045 (J)	<0.005	<0.005	<0.005
3/26/2020		<0.005		
3/30/2020	0.0049 (J)		<0.005	
3/31/2020				<0.005
9/16/2020				<0.005
9/17/2020		<0.005	<0.005	
9/18/2020	0.0045 (J)			
2/10/2021			<0.005	
2/11/2021	0.0072 (J)			<0.005
2/12/2021		<0.005		
3/16/2021		<0.005		
3/17/2021	0.01 (J)		<0.005	
3/18/2021				<0.005
8/18/2021	0.0077			<0.005
8/19/2021		<0.005	<0.005	
2/8/2022		<0.005	<0.005	<0.005
2/9/2022	0.0047 (J)			
8/10/2022			<0.005	<0.005
8/11/2022	0.0037 (J)	<0.005		
1/30/2023				<0.005
2/1/2023	0.0036 (J)	<0.005	<0.005	
8/13/2023	0.0038 (J)	<0.005	<0.005	<0.005
2/17/2024	0.0056	<0.005		<0.005
2/18/2024			<0.005	
8/8/2024		<0.005		<0.005
8/9/2024			<0.005	
8/10/2024	0.003 (J)			
2/16/2025				0.002 (J)
2/17/2025		<0.005	0.0015 (J)	
2/18/2025	0.0096			
Mean	0.008582	0.004523	0.004688	0.004474

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17
Std. Dev.	0.005177	0.001295	0.001139	0.001328
Upper Lim.	0.01105	0.005	0.005	0.005
Lower Lim.	0.006112	0.0041	0.0015	0.0023

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-18	MW-22	MW-23D	MW-33
5/24/2016	<0.2			
7/12/2016	0.036			
9/1/2016	0.0347			
10/25/2016	0.0282			
12/8/2016	0.0373			
1/26/2017	0.0385			
3/23/2017	0.0414			
5/25/2017	0.019			
4/3/2018	0.029			
6/5/2018	0.038			
10/3/2018	0.017			
3/14/2019	0.016		<0.005	
3/15/2019		<0.005		
4/5/2019	0.0018 (J)	<0.005	<0.005	
9/25/2019	0.02			
9/26/2019			<0.005	
9/27/2019		<0.005		
3/2/2020		<0.005	<0.005	
3/3/2020	0.014			
3/27/2020		<0.005		
3/31/2020	0.019			
4/1/2020			<0.005	0.011
6/17/2020				0.014
9/15/2020	0.059			
9/17/2020		0.002 (J)	<0.005	
9/21/2020				0.041
2/11/2021	0.023			
2/12/2021			<0.005	0.011
2/15/2021		<0.005		
3/17/2021		<0.005	<0.005	
3/18/2021	0.019 (J)			0.028
8/18/2021				0.014
8/19/2021	0.01	<0.005	<0.005	
2/8/2022	0.0082	<0.005		0.0078
2/10/2022			<0.005	
8/10/2022	0.0096			0.007 (J)
8/11/2022		<0.005	<0.005	
1/27/2023				0.015
1/30/2023		<0.005		
2/1/2023	0.0054		<0.005	
8/13/2023	0.0085	<0.005	<0.005	0.0065
2/18/2024	0.013	<0.005	<0.005	0.011
8/9/2024	0.0022 (J)		<0.005	0.0056
8/10/2024		<0.005		
2/16/2025				0.01
2/17/2025			0.0014 (J)	
2/18/2025	0.0054	0.0015 (J)		
Mean	0.02419	0.004594	0.004775	0.01399
Std. Dev.	0.02072	0.001114	0.0009	0.00993
Upper Lim.	0.02982	0.005	0.005	0.019
Lower Lim.	0.01306	0.002	0.0014	0.007623

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-34D	MW-35	MW-51
6/18/2020	0.0025 (J)	0.014	
9/21/2020		0.037	
9/23/2020	<0.005		
2/15/2021		0.01	
3/19/2021		0.016 (J)	
8/16/2021	<0.005		
8/18/2021		0.014	0.004 (J)
2/8/2022		0.0083	<0.005
2/9/2022	<0.005		
8/10/2022	<0.005		
8/11/2022		0.0089 (J)	0.0023 (J)
1/30/2023	0.0016 (J)		
2/1/2023		0.0063	0.0021 (J)
8/12/2023	<0.005	0.0058	<0.005
2/18/2024	<0.005		
2/19/2024		0.0057	0.0019 (J)
8/9/2024		0.0053	0.0014 (J)
8/10/2024	0.001 (J)		
2/18/2025	0.0049 (J)		
3/6/2025		0.0064	0.0068
Mean	0.004	0.01148	0.003562
Std. Dev.	0.001627	0.008841	0.001926
Upper Lim.	0.005	0.01504	0.004689
Lower Lim.	0.0016	0.006116	0.001106

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-17	HGWC-18
5/23/2016	0.000306 (J)	<0.001	<0.001	
5/24/2016				<0.001
7/12/2016	0.0003 (J)	<0.001	0.0001 (J)	0.0002 (J)
9/1/2016	0.0003 (J)	<0.001	<0.001	<0.001
10/24/2016	0.0004 (J)	<0.001		
10/25/2016			<0.001	<0.001
12/7/2016	0.0003 (J)	<0.001	<0.001	
12/8/2016				<0.001
1/26/2017	0.0003 (J)	<0.001	<0.001	<0.001
3/22/2017			0.0001 (J)	
3/23/2017	0.0003 (J)	<0.001		0.0002 (J)
5/24/2017	0.0003 (J)	<0.001		
5/25/2017			0.0001 (J)	0.0002 (J)
4/3/2018		<0.001	<0.001	0.00014 (J)
4/4/2018	0.00028 (J)			
6/5/2018				0.00016 (J)
6/6/2018	0.00029 (J)	<0.001	<0.001	
10/3/2018	0.00029 (J)	<0.001	<0.001	<0.001
3/14/2019	0.00028 (J)	<0.001		<0.001
3/15/2019			<0.001	
4/4/2019		<0.001		
4/5/2019	0.00028 (J)		0.00013 (J)	0.00014 (J)
9/24/2019	0.0003 (J)	<0.001		
9/25/2019			0.00012 (J)	0.00019 (J)
3/3/2020	0.00026 (J)	<0.001	0.00011 (J)	0.00013 (J)
3/26/2020		<0.001		
3/30/2020	0.00028 (J)			
3/31/2020			0.00014 (J)	0.00015 (J)
9/15/2020				0.00016 (J)
9/16/2020			<0.001	
9/17/2020		<0.001		
9/18/2020	0.00028 (J)			
2/11/2021	0.00026 (J)		<0.001	<0.001
2/12/2021		<0.001		
3/16/2021		<0.001		
3/17/2021	0.00034 (J)			
3/18/2021			<0.001	0.00016 (J)
8/18/2021	0.00027 (J)		<0.001	
8/19/2021		<0.001		0.0002 (J)
2/8/2022		<0.001	<0.001	<0.001
2/9/2022	0.00025 (J)			
8/10/2022			<0.001	<0.001
8/11/2022	0.00024 (J)	<0.001		
1/30/2023			0.00025 (J)	
2/1/2023	0.00047 (J)	0.00022 (J)		<0.001
8/13/2023	0.00026 (J)	<0.001	<0.001	<0.001
2/17/2024	<0.001	<0.001	<0.001	
2/18/2024				<0.001
8/8/2024		<0.001	<0.001	
8/9/2024				<0.001
8/10/2024	<0.001			
2/16/2025			<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-17	HGWC-18
2/17/2025		<0.001		
2/18/2025	0.00029 (J)			<0.001
Mean	0.0003121	0.0009711	0.0007426	0.0006307
Std. Dev.	7.09E-05	0.0001501	0.0004051	0.0004211
Upper Lim.	0.000306	0.001	0.001	0.001
Lower Lim.	0.00027	0.00022	0.00014	0.00019

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 4/30/2025 8:25 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35
4/1/2020	0.00029 (J)		
6/17/2020	0.00028 (J)		
6/18/2020		0.00015 (J)	0.00013 (J)
9/21/2020	0.00029 (J)		<0.001
9/23/2020		<0.001	
2/12/2021	0.00025 (J)		
2/15/2021			<0.001
3/18/2021	0.00031 (J)		
3/19/2021			<0.001
8/16/2021		<0.001	
8/18/2021	0.0004 (J)		<0.001
2/8/2022	0.00025 (J)		<0.001
2/9/2022		<0.001	
8/10/2022	<0.001	<0.001	
8/11/2022			<0.001
1/27/2023	0.00021 (J)		
1/30/2023		<0.001	
2/1/2023			<0.001
8/12/2023		<0.001	<0.001
8/13/2023	0.00022 (J)		
2/18/2024	<0.001	<0.001	
2/19/2024			<0.001
8/9/2024	<0.001		<0.001
8/10/2024		<0.001	
2/16/2025	<0.001		
2/18/2025		<0.001	
3/6/2025			<0.001
Mean	0.0005	0.000915	0.0009275
Std. Dev.	0.00035	0.0002688	0.0002511
Upper Lim.	0.001	0.001	0.001
Lower Lim.	0.00022	0.001	0.00013

ND substitution: RL or RL/2 if <15% NDs.

FIGURE I.

Appendix IV Trend Tests - Significant Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 4/30/2025, 8:27 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	**HGWA-4 (bg)**	**-0.0000307**	**-141**	**-96**	**Yes**	**27**	**62.96**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**HGWC-18**	**-0.009617**	**-213**	**-101**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - All Results

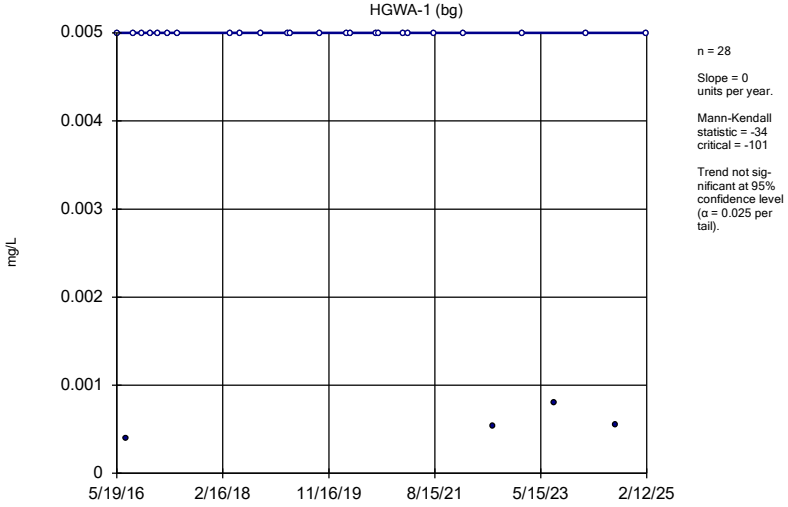
Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 4/30/2025, 8:27 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	HGWA-1 (bg)	0	-34	-101	No	28	85.71	n/a	n/a	0.05	NP
Cobalt (mg/L)	HGWA-2 (bg)	0.0002143	17	101	No	28	0	n/a	n/a	0.05	NP
Cobalt (mg/L)	HGWA-3 (bg)	0	0	101	No	28	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	**HGWA-4 (bg)**	**-0.0000307**	**-141**	**-96**	**Yes**	**27**	**62.96**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	HGWA-5 (bg)	0	-20	-96	No	27	29.63	n/a	n/a	0.05	NP
Cobalt (mg/L)	HGWA-6 (bg)	0	-24	-96	No	27	96.3	n/a	n/a	0.05	NP
Cobalt (mg/L)	HGWA-42D (bg)	0	-1	-37	No	14	85.71	n/a	n/a	0.05	NP
Cobalt (mg/L)	HGWA-43D (bg)	0	0	37	No	14	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	HGWA-44D (bg)	0	0	37	No	14	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	**HGWC-18**	**-0.009617**	**-213**	**-101**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	MW-33	-0.002897	-19	-37	No	14	0	n/a	n/a	0.05	NP
Cobalt (mg/L)	MW-35	-0.001912	-30	-30	No	12	0	n/a	n/a	0.05	NP

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-1 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = -34
critical = -101

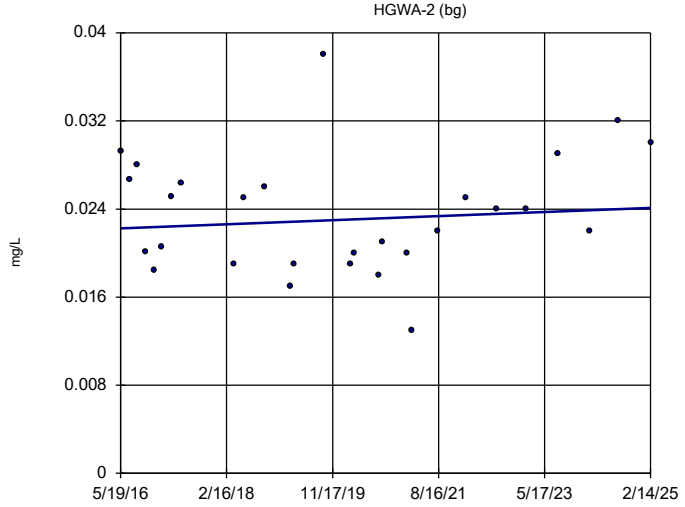
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/30/2025 8:26 PM View: Appendix IV Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-2 (bg)



n = 28

Slope = 0.0002143 units per year.

Mann-Kendall statistic = 17
critical = 101

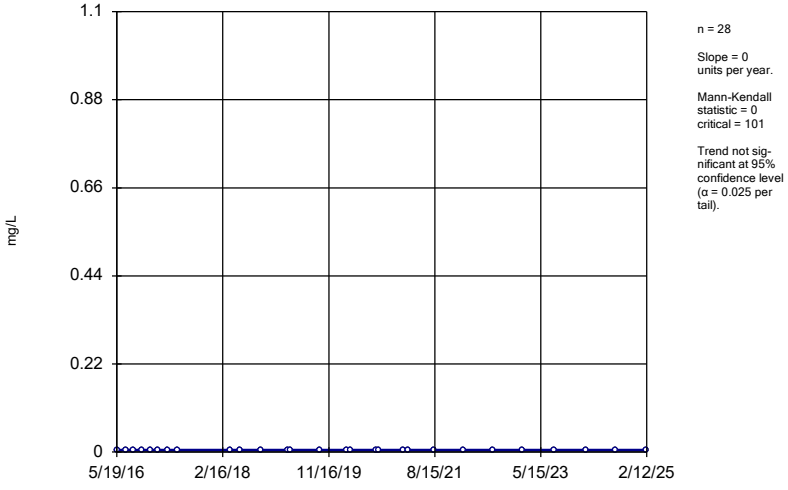
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/30/2025 8:26 PM View: Appendix IV Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-3 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 101

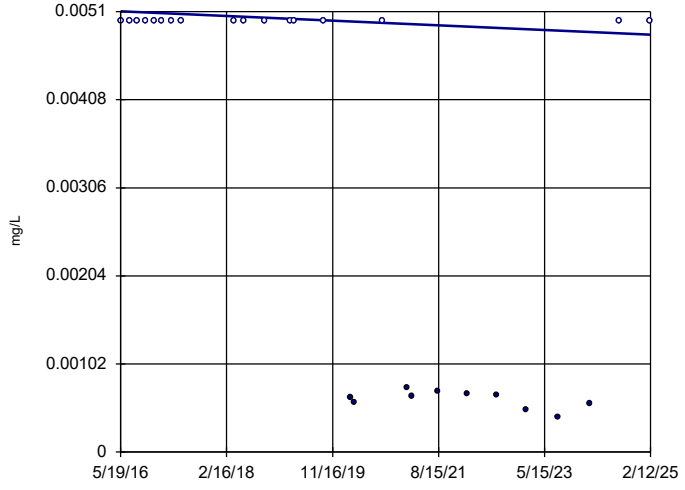
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/30/2025 8:26 PM View: Appendix IV Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-4 (bg)



n = 27

Slope = -0.0000307 units per year.

Mann-Kendall statistic = -141
critical = -96

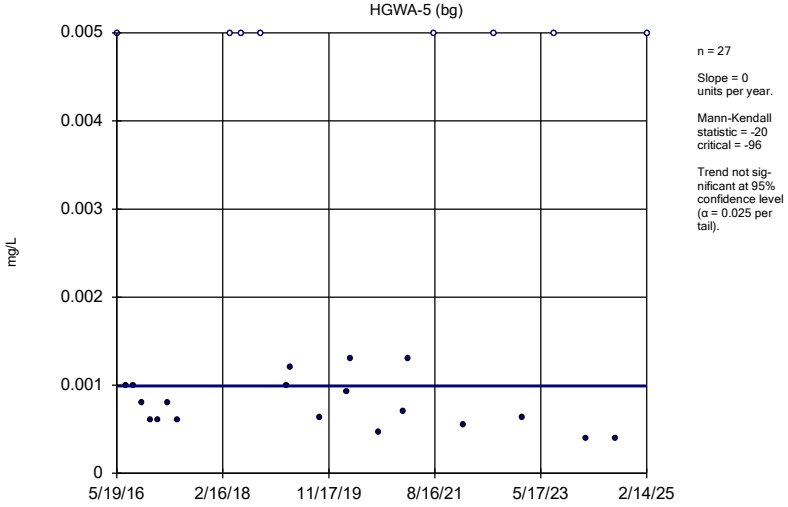
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/30/2025 8:26 PM View: Appendix IV Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-5 (bg)



n = 27

Slope = 0 units per year.

Mann-Kendall statistic = -20
critical = -96

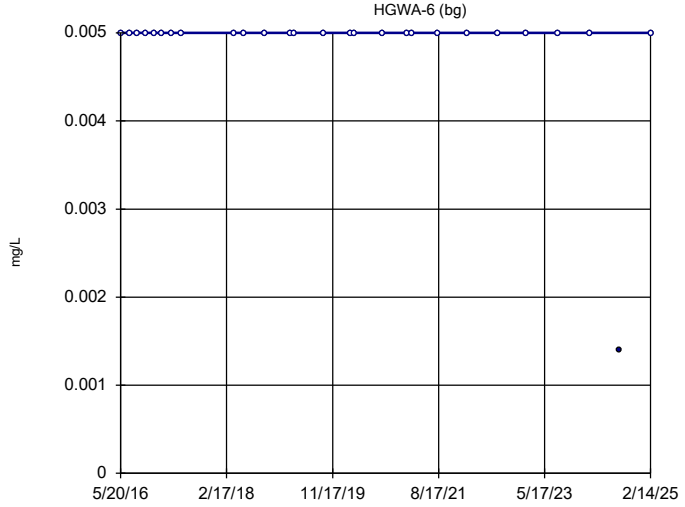
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/30/2025 8:26 PM View: Appendix IV Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-6 (bg)



n = 27

Slope = 0 units per year.

Mann-Kendall statistic = -24
critical = -96

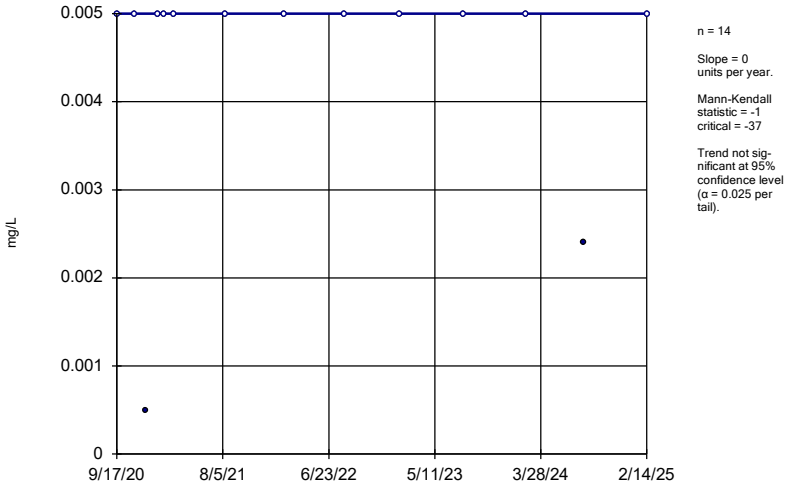
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/30/2025 8:26 PM View: Appendix IV Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-42D (bg)



n = 14

Slope = 0 units per year.

Mann-Kendall statistic = -1
critical = -37

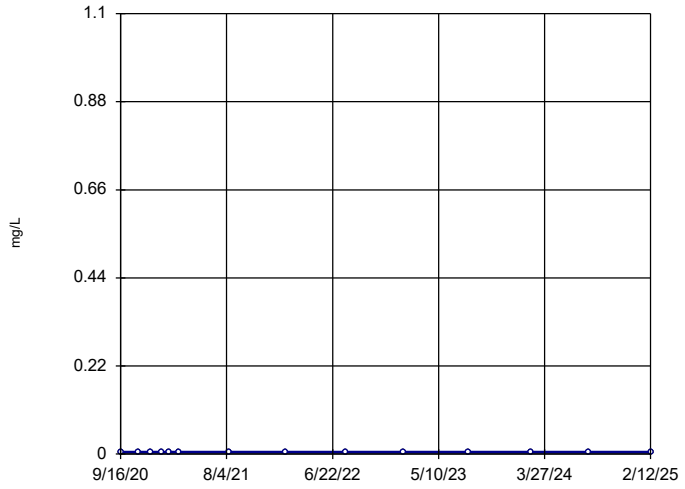
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/30/2025 8:26 PM View: Appendix IV Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-43D (bg)



n = 14

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 37

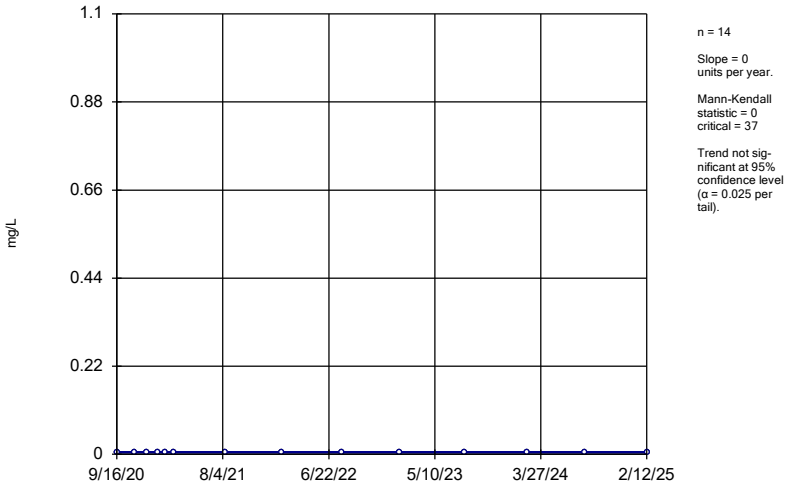
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/30/2025 8:26 PM View: Appendix IV Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP2

Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-44D (bg)



n = 14

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 37

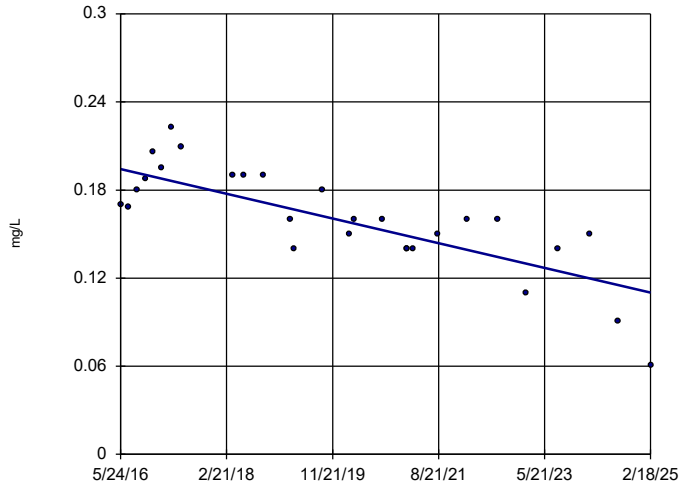
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/30/2025 8:26 PM View: Appendix IV Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-18



n = 28

Slope = -0.009617 units per year.

Mann-Kendall statistic = -213 critical = -101

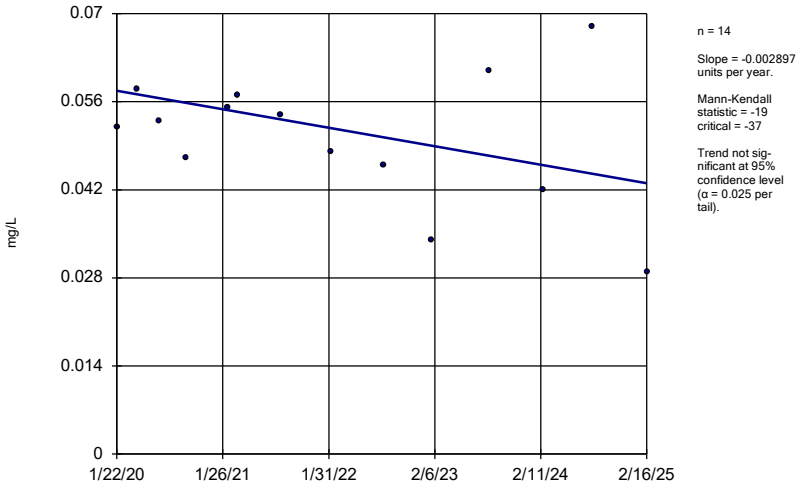
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/30/2025 8:26 PM View: Appendix IV Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-33



n = 14

Slope = -0.002897 units per year.

Mann-Kendall statistic = -19 critical = -37

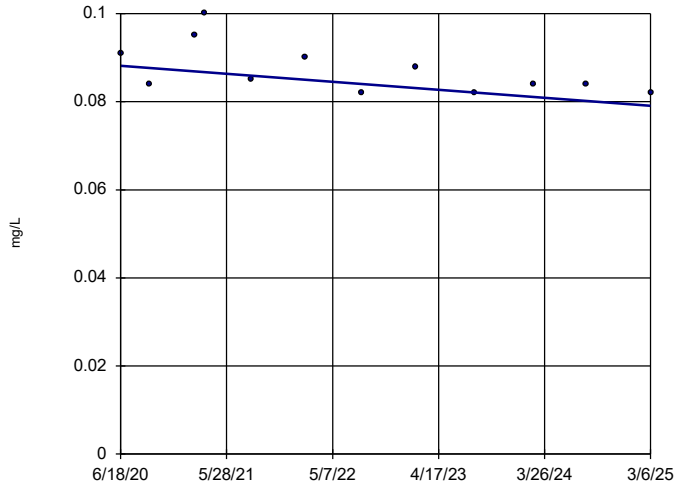
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/30/2025 8:26 PM View: Appendix IV Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-35



n = 12

Slope = -0.001912 units per year.

Mann-Kendall statistic = -30 critical = -30

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/30/2025 8:26 PM View: Appendix IV Trend Tests
Plant Hammond Client: Southern Company Data: Hammond AP2

AUGUST 2025

GROUNDWATER STATS CONSULTING

January 30, 2026

Southern Company Services
Attn: Ms. Kristen Jurinko
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Plant Hammond Ash Pond 2 (AP-2)
Statistical Analysis – 2nd 2025 Sample Event

Dear Ms. Jurinko,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the 2nd 2025 Semi-Annual Groundwater Detection and Assessment Monitoring Statistical summary of groundwater data for Georgia Power Company's Plant Hammond AP-2. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10 and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling began for the Coal Combustion Residuals (CCR) program in 2016 for all wells except those noted below, and at least 8 samples were collected at all wells. Sampling began in 2019 for assessment wells MW-21D; in 2020 for upgradient wells HGWA-42D, HGWA-43D, HGWA-44D and assessment wells MW-33, MW-34D, and MW-35; and in 2021 for assessment well MW-51.

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient well:** HGWA-1, HGWA-2, HGWA-3, HGWA-4, HGWA-5, HGWA-6, HGWA-42D, HGWA-43D, and HGWA-44D
- **Downgradient wells:** HGWC-14, HGWC-15, HGWC-16, HGWC-17, and HGWC-18
- **Assessment wells:** MW-21D, MW-33, MW-34D, MW-35, and MW-51

Assessment wells are included on time series and box plots for all parameters. When a minimum of 4 samples is available, assessment wells are evaluated using confidence intervals for the Appendix IV constituents.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Andrew Collins, Project Manager for Groundwater Stats Consulting. The statistical analysis was performed according to the groundwater data screening that was performed in April 2018 by GSC and approved by Dr. Cameron, PhD Statistician with MacStat Consulting and primary author of the USEPA Unified Guidance.

The CCR program consists of the constituents listed below. The terms "parameters" and "constituents" are used interchangeably.

- **Appendix III** (Detection Monitoring) - boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Appendix IV** (Assessment Monitoring) - antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lead, lithium, mercury, molybdenum, selenium, and thallium

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of well/constituent pairs containing 100% non-detects follows this letter.

For all constituents, a substitution of the most recent reporting limit is used for non-detect data. In the case of lithium, historical reporting limits vary among the wells. Therefore, the reporting limit of 0.002 mg/L, which is the most recent reporting limit provided by the laboratory, was substituted across all wells.

Time series plots for Appendix III and IV parameters at all wells are provided for the purpose of screening data at these wells (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. When values in background are flagged as outliers, the measurements may be seen in a lighter font and as a disconnected symbol on the graphs. A list of flagged values follows this report (Figure C).

In earlier analyses, data at all wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method for Appendix III parameters based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of

downgradient wells when intrawell statistical methods are recommended. Power curves were provided in previous reports 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.

Statistical Methods – Appendix III Parameters

Appendix III parameters are evaluated using Interwell Prediction Limits combined with 1-of-2 resamples for all constituents: boron, calcium, chloride, fluoride, pH, sulfate, and TDS.

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% per semi-annual event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits.

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data for parametric limits. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated

with upgradient well data during each event after careful screening for any new outliers. In some cases, an earlier portion of data may require deselection prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs. When this step is required, a summary of any adjusted records will be provided.

Statistical Evaluation of Appendix III Parameters – August 2025

All Appendix III parameters were analyzed using interwell prediction limits. Background (upgradient) well data were reassessed for potential outliers during this analysis. When values in background are flagged as outliers, the measurements may be seen in a lighter font and as a disconnected symbol on the graphs. No additional values were flagged during this analysis and a summary of previously flagged outliers follows this report (Figure C).

Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed for Appendix III parameters using all historical upgradient well data through August 2025 (Figure D). Downgradient measurements were compared to these interwell background limits. Interwell prediction limits use all available upgradient well data to establish a background limit for an individual constituent. The August 2025 sample from each downgradient well is compared to the background limit to determine whether any 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 confirm 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 the resample falls within the statistical limit, the initial exceedance is considered to be a false positive result; therefore, no further action is necessary. If no resample is collected, the initial exceedance is automatically confirmed.

A summary table of these findings is provided along with the prediction limits. When the August 2025 compliance data from downgradient wells were compared to interwell prediction limits, exceedances were noted for the following well/constituent pairs:

- Boron: HGWC-14, HGWC-15, HGWC-16, HGWC-17, and HGWC-18
- Calcium: HGWC-14, HGWC-15, HGWC-16, HGWC-17, and HGWC-18
- Chloride: HGWC-14, HGWC-15, HGWC-16, HGWC-17, and HGWC-18
- Sulfate: HGWC-14, HGWC-15, HGWC-16, HGWC-17, and HGWC-18
- TDS: HGWC-14, HGWC-15, HGWC-16, HGWC-17, and HGWC-18

Trend Test Evaluation – Appendix III

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test at the 99% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure E). Upgradient well data 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. Upgradient trends are an indication of variability in groundwater unrelated to practices at the site. A summary of the trend test results follows this letter. Statistically significant trends were noted for the following well/constituent pairs:

Increasing trends:
- Boron: HGWA-2, HGWA-44D (both upgradient), and HGWC-16
- Calcium: HGWA-2, HGWA-3 (both upgradient), and HGWC-16
- Chloride: HGWA-44D (upgradient) and HGWC-16
- Sulfate: HGWA-2 (upgradient)
- TDS: HGWC-16

Decreasing trends:
- Boron: HGWA-43D (upgradient), HGWC-14, and HGWC-18
- Calcium: HGWA-4, HGWA-44D (both upgradient), and HGWC-14
- Chloride: HGWA-3, HGWA-4 (both upgradient), HGWC-14, HGWC-15, and HGWC-18
- Sulfate: HGWC-6, HGWA-43D (both upgradient) and HGWC-15
- TDS: HGWC-14, HGWC-15, and HGWC-18

Statistical Methods – Appendix IV Parameters

Appendix IV parameters are evaluated by statistically comparing the mean or median of each downgradient well/constituent pair against corresponding GWPS. The GWPS may be either regulatory (MCL or CCR rule-specified limits) or site-specific limits that are based on upgradient background groundwater quality. Site-specific background limits are determined using tolerance limits, and the comparison of downgradient means or medians to GWPS is performed using confidence intervals. Confidence intervals are

provided for Appendix IV well/constituent pairs with detections and with current reported data. The methods are described below.

Statistical Evaluation of Appendix IV Parameters – August 2025

For Appendix IV parameters, confidence intervals for each downgradient and assessment well/constituent pair were compared against corresponding GWPS. GWPS were developed as described below. Well/constituent pairs that contain 100% non-detects do not require analysis.

Data from all wells for Appendix IV parameters are reassessed for outliers during each analysis. More recent concentrations have continued to increase for lithium at upgradient well HGWA-44D; therefore, the record was truncated to use observations between September 2020 and January 2023 in order to maintain conservative limits from a regulatory perspective. If further studies indicate the flagged measurements represent variation in groundwater quality, the values will be re-evaluated for construction of interwell upper tolerance limits. A list of any well/constituent pairs using a truncated portion of their record follows this letter.

Interwell Upper Tolerance Limits

Site specific background limits were calculated as upper one-sided tolerance limits (UTLs) on pooled upgradient interwell data through August 2025 for each of the Appendix IV constituents (Figure F). Parametric tolerance limits are calculated, with a target of 95% confidence and 95% coverage, when data follow a normal or transformed-normal distribution, such as the case for combined radium 226 + 228. When data contained greater than 50% non-detects or did not follow a normal or transformed-normal distribution, non-parametric tolerance limits were used.

Groundwater Protection Standards

The background limits were then used when determining the groundwater protection standard (GWPS) under 40 CFR §257.95(h) and Georgia EPD Rule 391-3-4-.10(6)(a). On July 30, 2018, US EPA revised the Federal CCR rule updating GWPS for cobalt, lead, lithium, and molybdenum as described above in 40 CFR §257.95(h)(2). Effective on February 22, 2022, Georgia EPD incorporated the updated GWPS into the current Georgia EPD Rules for Solid Waste Management 391-3-4-.10(6)(a). In accordance with the updated Rules, the GWPS is:

- The maximum contaminant level (MCL) established under §141.62 and §141.66 of this title
- Where an MCL has not been established for a constituent, Federal and State CCR Rules specify levels for cobalt (0.006 mg/L), lead (0.015 mg/L), lithium (0.040 mg/L), and molybdenum (0.100 mg/L)
- The respective background level for a constituent when the background level is higher than the MCL or Federal CCR Rule identified GWPS

Following Georgia EPD Rule requirements and the Federal CCR requirements, GWPS were established for statistical comparison of Appendix IV constituents for this sample event (Figure G).

Confidence Intervals

To complete the statistical comparison to GWPS, confidence intervals were constructed for the Appendix IV constituents in each downgradient well with 8 or more samples and assessment well with 4 or more samples through August 2025 (Figure H).

The Sanitas software was used to calculate the confidence intervals, either parametric or nonparametric, 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 appropriate order statistics as interval limits depending on the sample size, were constructed when data did not follow a normal or transformed-normal distribution or when there were greater than 50% non-detects. The lower confidence limit, which is constructed with 99% confidence for parametric confidence intervals, is compared to the GWPS prepared as described above. The confidence level associated with nonparametric confidence intervals is dependent upon the number samples available.

Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its respective standard. If there is an exceedance of the GWPS, a statistically significant level (SSL) exceedance is identified. Summaries of the confidence interval results, along with graphical comparison against GWPS follow this letter. Exceedances were noted for the following well/constituent pairs:

- Cobalt: HGWC-18, MW-33, and MW-35

Trend Test Evaluation – Appendix IV

Data at wells with confidence interval exceedances are further evaluated using the Sen's Slope/Mann Kendall trend test at the 95% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure I). Although the trend tests for Assessment monitoring pairs were previously evaluated using 99% confidence, the 95% confidence level more rapidly identifies statistically significant trends. Additionally, the 95% confidence level is recommended in cases with limited sample sizes and, particularly, for new assessment wells. Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site for the same constituents. When trends are present in upgradient wells, it is an indication of variability in groundwater quality unrelated to practices at the site. A summary of the Appendix IV trend test results follows this letter. Statistically significant trends were identified for the following well/constituent pairs:

Increasing trends:

- None

Decreasing trends:

- Cobalt: HGWA-4 (upgradient), HGWC-18, and MW-35

Note that although cobalt at upgradient well HGWA-4 was listed as a statistically significant decreasing trend, the slope, which represents the median slope of all the possible pairwise slopes of the data evaluated, is zero.

Summary

Observations from the August 2025 sample event at Hammond AP-2 were compared to established interwell prediction limits for all Appendix III constituents. Exceedances were identified for the following well/constituent pairs:

- Boron: HGWC-14, HGWC-15, HGWC-16, HGWC-17, and HGWC-18
- Calcium: HGWC-14, HGWC-15, HGWC-16, HGWC-17, and HGWC-18
- Chloride: HGWC-14, HGWC-15, HGWC-16, HGWC-17, and HGWC-18
- Sulfate: HGWC-14, HGWC-15, HGWC-16, HGWC-17, and HGWC-18
- TDS: HGWC-14, HGWC-15, HGWC-16, HGWC-17, and HGWC-18

When confidence intervals were constructed on downgradient and assessment wells for Appendix IV constituents and compared to respective GWPS, exceedances were noted for the following well/constituent pairs:

- Cobalt: HGWC-18, MW-33, and MW-35

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Hammond AP-2. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Tristan Clark
Groundwater Analyst



Andrew T. Collins
Project Manager

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Summary Tables

Date Ranges

Date: 10/15/2025 1:28 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Lithium (mg/L)

HGWA-44D overall:9/16/2020-1/24/2023

100% Non-Detects: Appendix IV Downgradient & Assessment

Analysis Run 10/20/2025 6:17 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Antimony (mg/L)
HGWC-16, HGWC-17, MW-21D, MW-51

Beryllium (mg/L)
HGWC-15, HGWC-16, MW-21D

Cadmium (mg/L)
HGWC-16, MW-21D

Chromium (mg/L)
MW-51

Lead (mg/L)
MW-51

Mercury (mg/L)
HGWC-14, HGWC-16, HGWC-17, MW-21D, MW-33, MW-34D

Molybdenum (mg/L)
HGWC-14, HGWC-16, HGWC-17, HGWC-18, MW-33, MW-34D, MW-35, MW-51

Selenium (mg/L)
MW-21D

Thallium (mg/L)
HGWC-16, MW-21D, MW-51

Appendix III Interwell Prediction Limits - Significant Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 10/15/2025, 1:38 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)	HGWC-14	0.55	n/a	8/8/2025	6.3	Yes	192	n/a	n/a	6.771	n/a	n/a	0.00005378	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-15	0.55	n/a	8/8/2025	1.6	Yes	192	n/a	n/a	6.771	n/a	n/a	0.00005378	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-16	0.55	n/a	8/8/2025	2.2	Yes	192	n/a	n/a	6.771	n/a	n/a	0.00005378	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-17	0.55	n/a	8/8/2025	6.1	Yes	192	n/a	n/a	6.771	n/a	n/a	0.00005378	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-18	0.55	n/a	8/8/2025	4	Yes	192	n/a	n/a	6.771	n/a	n/a	0.00005378	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-14	138	n/a	8/8/2025	265	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-15	138	n/a	8/8/2025	160	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-16	138	n/a	8/8/2025	158	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-17	138	n/a	8/8/2025	190	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-18	138	n/a	8/8/2025	147	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-14	44.8	n/a	8/8/2025	65.1	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-15	44.8	n/a	8/8/2025	69.3	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-16	44.8	n/a	8/8/2025	71.3	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-17	44.8	n/a	8/8/2025	81.3	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-18	44.8	n/a	8/8/2025	50.7	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-14	94.5	n/a	8/8/2025	683	Yes	194	n/a	n/a	2.062	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-15	94.5	n/a	8/8/2025	255	Yes	194	n/a	n/a	2.062	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-16	94.5	n/a	8/8/2025	185	Yes	194	n/a	n/a	2.062	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-17	94.5	n/a	8/8/2025	271	Yes	194	n/a	n/a	2.062	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-18	94.5	n/a	8/8/2025	350	Yes	194	n/a	n/a	2.062	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-14	632	n/a	8/8/2025	1350	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-15	632	n/a	8/8/2025	810	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-16	632	n/a	8/8/2025	728	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-17	632	n/a	8/8/2025	880	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-18	632	n/a	8/8/2025	710	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 10/15/2025, 1:38 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)	**HGWC-14**	**0.55**	**n/a**	**8/8/2025**	**6.3**	**Yes**	**192**	**n/a**	**n/a**	**6.771**	**n/a**	**n/a**	**0.00005378**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**HGWC-15**	**0.55**	**n/a**	**8/8/2025**	**1.6**	**Yes**	**192**	**n/a**	**n/a**	**6.771**	**n/a**	**n/a**	**0.00005378**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**HGWC-16**	**0.55**	**n/a**	**8/8/2025**	**2.2**	**Yes**	**192**	**n/a**	**n/a**	**6.771**	**n/a**	**n/a**	**0.00005378**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**HGWC-17**	**0.55**	**n/a**	**8/8/2025**	**6.1**	**Yes**	**192**	**n/a**	**n/a**	**6.771**	**n/a**	**n/a**	**0.00005378**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**HGWC-18**	**0.55**	**n/a**	**8/8/2025**	**4**	**Yes**	**192**	**n/a**	**n/a**	**6.771**	**n/a**	**n/a**	**0.00005378**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**HGWC-14**	**138**	**n/a**	**8/8/2025**	**265**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**HGWC-15**	**138**	**n/a**	**8/8/2025**	**160**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**HGWC-16**	**138**	**n/a**	**8/8/2025**	**158**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**HGWC-17**	**138**	**n/a**	**8/8/2025**	**190**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**HGWC-18**	**138**	**n/a**	**8/8/2025**	**147**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**HGWC-14**	**44.8**	**n/a**	**8/8/2025**	**65.1**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**HGWC-15**	**44.8**	**n/a**	**8/8/2025**	**69.3**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**HGWC-16**	**44.8**	**n/a**	**8/8/2025**	**71.3**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**HGWC-17**	**44.8**	**n/a**	**8/8/2025**	**81.3**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**HGWC-18**	**44.8**	**n/a**	**8/8/2025**	**50.7**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	HGWC-14	1.5	n/a	8/8/2025	0.08J	No	224	n/a	n/a	27.68	n/a	n/a	0.0000492	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-15	1.5	n/a	8/8/2025	0.12	No	224	n/a	n/a	27.68	n/a	n/a	0.0000492	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-16	1.5	n/a	8/8/2025	0.051J	No	224	n/a	n/a	27.68	n/a	n/a	0.0000492	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-17	1.5	n/a	8/8/2025	0.083J	No	224	n/a	n/a	27.68	n/a	n/a	0.0000492	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-18	1.5	n/a	8/8/2025	0.2	No	224	n/a	n/a	27.68	n/a	n/a	0.0000492	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-14	8.49	4.57	8/8/2025	4.65	No	229	n/a	n/a	0	n/a	n/a	0.0000984	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-15	8.49	4.57	8/8/2025	6.59	No	229	n/a	n/a	0	n/a	n/a	0.0000984	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-16	8.49	4.57	8/8/2025	7.11	No	229	n/a	n/a	0	n/a	n/a	0.0000984	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-17	8.49	4.57	8/8/2025	6.42	No	229	n/a	n/a	0	n/a	n/a	0.0000984	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-18	8.49	4.57	8/8/2025	4.72	No	229	n/a	n/a	0	n/a	n/a	0.0000984	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**HGWC-14**	**94.5**	**n/a**	**8/8/2025**	**683**	**Yes**	**194**	**n/a**	**n/a**	**2.062**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**HGWC-15**	**94.5**	**n/a**	**8/8/2025**	**255**	**Yes**	**194**	**n/a**	**n/a**	**2.062**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**HGWC-16**	**94.5**	**n/a**	**8/8/2025**	**185**	**Yes**	**194**	**n/a**	**n/a**	**2.062**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**HGWC-17**	**94.5**	**n/a**	**8/8/2025**	**271**	**Yes**	**194**	**n/a**	**n/a**	**2.062**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**HGWC-18**	**94.5**	**n/a**	**8/8/2025**	**350**	**Yes**	**194**	**n/a**	**n/a**	**2.062**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**HGWC-14**	**632**	**n/a**	**8/8/2025**	**1350**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**HGWC-15**	**632**	**n/a**	**8/8/2025**	**810**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**HGWC-16**	**632**	**n/a**	**8/8/2025**	**728**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**HGWC-17**	**632**	**n/a**	**8/8/2025**	**880**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**HGWC-18**	**632**	**n/a**	**8/8/2025**	**710**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 10/15/2025, 1:43 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**HGWA-2 (bg)**	**0.002437**	**196**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWA-43D (bg)**	**-0.004011**	**-55**	**-48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWA-44D (bg)**	**0.05214**	**61**	**48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWC-14**	**-1.26**	**-202**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWC-16**	**0.1338**	**146**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWC-18**	**-0.5365**	**-152**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-2 (bg)**	**1.502**	**148**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-3 (bg)**	**1.61**	**138**	**118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-4 (bg)**	**-5.305**	**-125**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-44D (bg)**	**-5.893**	**-71**	**-48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWC-14**	**-24.03**	**-159**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWC-16**	**7.699**	**155**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWA-3 (bg)**	**-0.158**	**-198**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWA-4 (bg)**	**-0.3846**	**-244**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWA-44D (bg)**	**5.375**	**59**	**48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWC-14**	**-58.6**	**-233**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWC-15**	**-19.18**	**-222**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWC-16**	**8.717**	**194**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWC-18**	**-30.32**	**-227**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWA-2 (bg)**	**4.265**	**212**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWA-6 (bg)**	**-0.3385**	**-118**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWA-43D (bg)**	**-3.534**	**-79**	**-48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWC-15**	**-23.04**	**-161**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**HGWC-14**	**-188.1**	**-222**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**HGWC-15**	**-49**	**-188**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**HGWC-16**	**40.18**	**183**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**HGWC-18**	**-78.53**	**-166**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 10/15/2025, 1:43 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	HGWA-1 (bg)	0	-6	-118	No	26	0	n/a	n/a	0.01	NP
Boron (mg/L)	**HGWA-2 (bg)**	**0.002437**	**196**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	HGWA-3 (bg)	0.0003332	61	118	No	26	23.08	n/a	n/a	0.01	NP
Boron (mg/L)	HGWA-4 (bg)	0.0009026	72	111	No	25	4	n/a	n/a	0.01	NP
Boron (mg/L)	HGWA-5 (bg)	0.0008045	94	111	No	25	20	n/a	n/a	0.01	NP
Boron (mg/L)	HGWA-6 (bg)	-0.0002273	-33	-105	No	24	4.167	n/a	n/a	0.01	NP
Boron (mg/L)	HGWA-42D (bg)	0.0003167	4	43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	**HGWA-43D (bg)**	**-0.004011**	**-55**	**-48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWA-44D (bg)**	**0.05214**	**61**	**48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWC-14**	**-1.26**	**-202**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	HGWC-15	-0.05018	-85	-111	No	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	**HGWC-16**	**0.1338**	**146**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	HGWC-17	-0.006556	-14	-111	No	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	**HGWC-18**	**-0.5365**	**-152**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	HGWA-1 (bg)	1.77	101	118	No	26	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**HGWA-2 (bg)**	**1.502**	**148**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-3 (bg)**	**1.61**	**138**	**118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-4 (bg)**	**-5.305**	**-125**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	HGWA-5 (bg)	-0.1277	-29	-111	No	25	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-6 (bg)	0.3808	78	111	No	25	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-42D (bg)	0.107	3	48	No	14	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-43D (bg)	-1.279	-31	-48	No	14	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**HGWA-44D (bg)**	**-5.893**	**-71**	**-48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWC-14**	**-24.03**	**-159**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	HGWC-15	-4.119	-95	-111	No	25	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**HGWC-16**	**7.699**	**155**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	HGWC-17	-1.216	-13	-111	No	25	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWC-18	-10.87	-78	-118	No	26	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-1 (bg)	0.5362	82	118	No	26	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-2 (bg)	0.1567	83	111	No	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**HGWA-3 (bg)**	**-0.158**	**-198**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWA-4 (bg)**	**-0.3846**	**-244**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	HGWA-5 (bg)	-0.02932	-61	-111	No	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-6 (bg)	-0.03905	-81	-111	No	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-42D (bg)	0	5	48	No	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-43D (bg)	-0.09838	-33	-48	No	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**HGWA-44D (bg)**	**5.375**	**59**	**48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWC-14**	**-58.6**	**-233**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWC-15**	**-19.18**	**-222**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWC-16**	**8.717**	**194**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	HGWC-17	-0.9508	-14	-111	No	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**HGWC-18**	**-30.32**	**-227**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	HGWA-1 (bg)	0.3568	22	118	No	26	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**HGWA-2 (bg)**	**4.265**	**212**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	HGWA-3 (bg)	-1.043	-79	-118	No	26	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-4 (bg)	1.446	64	111	No	25	12	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-5 (bg)	-0.2801	-69	-111	No	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**HGWA-6 (bg)**	**-0.3385**	**-118**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	HGWA-42D (bg)	0.2032	33	48	No	14	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**HGWA-43D (bg)**	**-3.534**	**-79**	**-48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	HGWA-44D (bg)	-1.694	-33	-48	No	14	7.143	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-14	-55.98	-110	-111	No	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**HGWC-15**	**-23.04**	**-161**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	HGWC-16	-1.195	-37	-111	No	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-17	-17.21	-95	-111	No	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-18	-15.21	-61	-118	No	26	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-1 (bg)	4.696	67	118	No	26	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-2 (bg)	6.642	107	111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-3 (bg)	0.2987	18	118	No	26	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-4 (bg)	-15.15	-108	-111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-5 (bg)	-0.05966	-5	-111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-6 (bg)	0	-6	-111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-42D (bg)	3.025	21	48	No	14	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-43D (bg)	0.2267	1	48	No	14	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-44D (bg)	20.52	46	48	No	14	0	n/a	n/a	0.01	NP
TDS (mg/L)	**HGWC-14**	**-188.1**	**-222**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**HGWC-15**	**-49**	**-188**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**HGWC-16**	**40.18**	**183**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 10/15/2025, 1:43 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
TDS (mg/L)	HGWC-17	20.66	48	111	No	25	4	n/a	n/a	0.01	NP
TDS (mg/L)	**HGWC-18**	**-78.53**	**-166**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Upper Tolerance Limits - Summary Table

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 10/16/2025, 4:03 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.003	n/a	n/a	n/a	n/a	192	86.46	n/a	n/a	NaN	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.0036	n/a	n/a	n/a	n/a	216	83.8	n/a	n/a	NaN	NP Inter(NDs)
Barium (mg/L)	n/a	0.46	n/a	n/a	n/a	n/a	216	0	n/a	n/a	NaN	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0004	n/a	n/a	n/a	n/a	204	82.84	n/a	n/a	NaN	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	216	91.2	n/a	n/a	NaN	NP Inter(NDs)
Chromium (mg/L)	n/a	0.019	n/a	n/a	n/a	n/a	204	87.75	n/a	n/a	NaN	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.038	n/a	n/a	n/a	n/a	216	69.91	n/a	n/a	NaN	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	1.553	n/a	n/a	n/a	n/a	216	0	None	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	1.5	n/a	n/a	n/a	n/a	224	27.68	n/a	n/a	NaN	NP Inter(normality)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	204	77.94	n/a	n/a	NaN	NP Inter(NDs)
Lithium (mg/L)	n/a	0.064	n/a	n/a	n/a	n/a	211	17.06	n/a	n/a	NaN	NP Inter(normality)
Mercury (mg/L)	n/a	0.0002	n/a	n/a	n/a	n/a	167	95.21	n/a	n/a	0.0001905	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.01	n/a	n/a	n/a	n/a	210	84.76	n/a	n/a	NaN	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	216	96.76	n/a	n/a	NaN	NP Inter(NDs)
Thallium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	216	99.07	n/a	n/a	NaN	NP Inter(NDs)

PLANT HAMMOND AP-2 GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.003	0.006
Arsenic, Total (mg/L)	0.01		0.0036	0.01
Barium, Total (mg/L)	2		0.46	2
Beryllium, Total (mg/L)	0.004		0.0004	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.019	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.038	0.038
Combined Radium, Total (pCi/L)	5		1.55	5
Fluoride, Total (mg/L)	4		1.5	4
Lead, Total (mg/L)	n/a	0.015	0.001	0.015
Lithium, Total (mg/L)	n/a	0.04	0.064	0.064
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.01	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.0005	0.002

**Gray cell indicates background is higher than MCL or CCR-Rule*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

**GWPS = Groundwater Protection Statard*

Confidence Interval Summary Table - Significant Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 10/20/2025, 6:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**HGWC-18**	**0.1752**	**0.14**	**0.038**	**Yes**	**29**	**0.1576**	**0.03848**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**MW-33**	**0.05664**	**0.0427**	**0.038**	**Yes**	**15**	**0.04967**	**0.01029**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**MW-35**	**0.09214**	**0.07808**	**0.038**	**Yes**	**13**	**0.08423**	**0.0122**	**0**	**None**	**x^3**	**0.01**	**Param.**

Confidence Interval Summary Table - All Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 10/20/2025, 6:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	HGWC-14	0.003	0.001	0.006	No	22	0.002566	0.0009744	77.27	None	No	0.01	NP (NDs)
Antimony (mg/L)	HGWC-15	0.003	0.002	0.006	No	22	0.002458	0.0008493	63.64	None	No	0.01	NP (NDs)
Antimony (mg/L)	HGWC-18	0.002	0.0008	0.006	No	22	0.001945	0.0002558	95.45	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-33	0.002	0.002	0.006	No	11	0.00186	0.0004643	90.91	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-34D	0.002	0.0018	0.006	No	9	0.001978	0.00006667	88.89	None	No	0.002	NP (NDs)
Antimony (mg/L)	MW-35	0.002	0.002	0.006	No	11	0.001937	0.000574	81.82	None	No	0.006	NP (NDs)
Arsenic (mg/L)	HGWC-14	0.005223	0.003254	0.01	No	28	0.004239	0.002107	14.29	None	No	0.01	Param.
Arsenic (mg/L)	HGWC-15	0.002	0.0008	0.01	No	28	0.001834	0.000497	89.29	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-16	0.002	0.0012	0.01	No	28	0.001818	0.0004861	85.71	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-17	0.002	0.0017	0.01	No	28	0.001817	0.0004835	75	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-18	0.006188	0.004066	0.01	No	28	0.005127	0.002271	7.143	None	No	0.01	Param.
Arsenic (mg/L)	MW-21D	0.003	0.0013	0.01	No	18	0.001861	0.0005644	77.78	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-33	0.007274	0.00314	0.01	No	14	0.005207	0.002918	7.143	None	No	0.01	Param.
Arsenic (mg/L)	MW-34D	0.003818	0.001034	0.01	No	11	0.002972	0.001568	27.27	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	MW-35	0.005632	0.002687	0.01	No	13	0.004546	0.001975	30.77	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	MW-51	0.0067	0.002	0.01	No	9	0.003544	0.001655	33.33	None	No	0.002	NP (normality)
Barium (mg/L)	HGWC-14	0.0214	0.017	2	No	28	0.02332	0.02009	3.571	None	No	0.01	NP (normality)
Barium (mg/L)	HGWC-15	0.02469	0.0168	2	No	28	0.02075	0.008441	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-16	0.1087	0.09873	2	No	28	0.1037	0.01067	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-17	0.02633	0.02384	2	No	28	0.02509	0.002671	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-18	0.0313	0.026	2	No	28	0.03011	0.01478	3.571	None	No	0.01	NP (normality)
Barium (mg/L)	MW-21D	0.05747	0.03875	2	No	18	0.04883	0.01648	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-33	0.0253	0.01913	2	No	14	0.02221	0.004353	0	None	No	0.01	Param.
Barium (mg/L)	MW-34D	0.04128	0.03054	2	No	11	0.03591	0.006441	0	None	No	0.01	Param.
Barium (mg/L)	MW-35	0.02711	0.02197	2	No	13	0.02454	0.003455	0	None	No	0.01	Param.
Barium (mg/L)	MW-51	0.03638	0.02207	2	No	9	0.02922	0.007412	0	None	No	0.01	Param.
Beryllium (mg/L)	HGWC-14	0.00056	0.0004	0.004	No	26	0.0005369	0.0002934	7.692	None	No	0.01	NP (normality)
Beryllium (mg/L)	HGWC-17	0.0004	0.0001	0.004	No	26	0.0003358	0.0001343	80.77	None	No	0.01	NP (NDs)
Beryllium (mg/L)	HGWC-18	0.003195	0.002526	0.004	No	26	0.002861	0.0006866	3.846	None	No	0.01	Param.
Beryllium (mg/L)	MW-33	0.001002	0.0006335	0.004	No	14	0.0008179	0.0002603	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-34D	0.0004	0.00015	0.004	No	11	0.0003468	0.0001198	81.82	None	No	0.006	NP (NDs)
Beryllium (mg/L)	MW-35	0.0006156	0.0003844	0.004	No	13	0.0005	0.0001554	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-51	0.0004212	0.0001788	0.004	No	9	0.0003	0.0001255	0	None	No	0.01	Param.
Cadmium (mg/L)	HGWC-14	0.0005	0.00012	0.005	No	28	0.0003385	0.0001915	57.14	None	No	0.01	NP (NDs)
Cadmium (mg/L)	HGWC-15	0.001945	0.001185	0.005	No	28	0.001565	0.0008124	0	None	No	0.01	Param.
Cadmium (mg/L)	HGWC-17	0.0005	0.00015	0.005	No	28	0.0004721	0.0001029	92.86	None	No	0.01	NP (NDs)
Cadmium (mg/L)	HGWC-18	0.0023	0.0015	0.005	No	28	0.002111	0.001657	3.571	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-33	0.00022	0.00015	0.005	No	14	0.0002571	0.0002875	7.143	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-34D	0.001742	0.0003582	0.005	No	11	0.001347	0.0009991	18.18	Kaplan-Meier	No	0.01	Param.
Cadmium (mg/L)	MW-35	0.001575	0.001023	0.005	No	13	0.001299	0.0003713	0	None	No	0.01	Param.
Cadmium (mg/L)	MW-51	0.00118	0.000247	0.005	No	9	0.0007133	0.000483	0	None	No	0.01	Param.
Chromium (mg/L)	HGWC-14	0.005	0.00066	0.1	No	26	0.004657	0.001212	92.31	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-15	0.005	0.0012	0.1	No	26	0.004504	0.001405	88.46	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-16	0.005	0.0021	0.1	No	26	0.004547	0.001306	88.46	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-17	0.005	0.0018	0.1	No	26	0.004547	0.001291	88.46	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-18	0.005	0.00063	0.1	No	26	0.004482	0.001463	88.46	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-21D	0.005	0.00074	0.1	No	18	0.004517	0.001405	88.89	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-33	0.005	0.0028	0.1	No	14	0.004535	0.001252	85.71	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-34D	0.005	0.005	0.1	No	11	0.005082	0.0002714	90.91	None	No	0.006	NP (NDs)
Chromium (mg/L)	MW-35	0.005	0.00083	0.1	No	13	0.004355	0.001574	84.62	None	No	0.01	NP (NDs)
Cobalt (mg/L)	HGWC-14	0.034	0.026	0.038	No	28	0.03302	0.01868	3.571	None	No	0.01	NP (normality)
Cobalt (mg/L)	HGWC-15	0.03724	0.019	0.038	No	28	0.02812	0.01951	0	None	No	0.01	Param.
Cobalt (mg/L)	HGWC-16	0.005	0.00037	0.038	No	28	0.004666	0.001226	92.86	None	No	0.01	NP (NDs)
Cobalt (mg/L)	HGWC-17	0.01494	0.01154	0.038	No	28	0.01257	0.004555	3.571	None	x^2	0.01	Param.
Cobalt (mg/L)	**HGWC-18**	**0.1752**	**0.14**	**0.038**	**Yes**	**29**	**0.1576**	**0.03848**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MW-21D	0.005	0.00034	0.038	No	18	0.004741	0.001098	94.44	None	No	0.01	NP (NDs)
Cobalt (mg/L)	**MW-33**	**0.05664**	**0.0427**	**0.038**	**Yes**	**15**	**0.04967**	**0.01029**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MW-34D	0.008361	0.004985	0.038	No	11	0.006673	0.002026	0	None	No	0.01	Param.
Cobalt (mg/L)	**MW-35**	**0.09214**	**0.07808**	**0.038**	**Yes**	**13**	**0.08423**	**0.0122**	**0**	**None**	**x^3**	**0.01**	**Param.**
Cobalt (mg/L)	MW-51	0.0353	0.01803	0.038	No	9	0.02667	0.008944	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-14	1.439	0.9988	5	No	28	1.219	0.4714	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-15	0.8019	0.4412	5	No	28	0.6216	0.386	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-16	0.8575	0.5011	5	No	28	0.6793	0.3814	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-17	0.9486	0.6262	5	No	28	0.7874	0.345	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-18	1.999	1.416	5	No	28	1.707	0.624	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-21D	0.8662	0.4115	5	No	18	0.6719	0.4174	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-33	1.874	0.9234	5	No	14	1.399	0.6713	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-34D	0.9579	0.463	5	No	11	0.7105	0.297	0	None	No	0.01	Param.

Confidence Interval Summary Table - All Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 10/20/2025, 6:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	MW-35	2.008	0.9372	5	No	13	1.506	0.8172	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-51	1.078	0.497	5	No	9	0.7873	0.3007	0	None	No	0.01	Param.
Fluoride (mg/L)	HGWC-14	0.1528	0.0764	4	No	29	0.1566	0.1421	17.24	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	HGWC-15	0.12	0.086	4	No	29	0.1287	0.1066	34.48	None	No	0.01	NP (normality)
Fluoride (mg/L)	HGWC-16	0.1033	0.04596	4	No	29	0.1348	0.1097	48.28	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	HGWC-17	0.1238	0.05939	4	No	29	0.1907	0.1954	24.14	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	HGWC-18	0.5498	0.3383	4	No	29	0.444	0.2309	3.448	None	No	0.01	Param.
Fluoride (mg/L)	MW-21D	0.1	0.078	4	No	18	0.09139	0.01733	72.22	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-33	0.2624	0.1314	4	No	15	0.1969	0.09666	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-34D	0.08987	0.06463	4	No	11	0.08345	0.01722	27.27	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	MW-35	0.1227	0.06126	4	No	13	0.092	0.04134	7.692	None	No	0.01	Param.
Fluoride (mg/L)	MW-51	0.1481	0.07812	4	No	9	0.1131	0.03624	0	None	No	0.01	Param.
Lead (mg/L)	HGWC-14	0.001594	0.001205	0.015	No	26	0.001399	0.0003987	7.692	None	No	0.01	Param.
Lead (mg/L)	HGWC-15	0.001	0.001	0.015	No	26	0.0008625	0.0003296	80.77	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-16	0.001	0.00016	0.015	No	26	0.0006932	0.0004309	65.38	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-17	0.001	0.00013	0.015	No	26	0.0006775	0.0004242	61.54	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-18	0.001303	0.0009343	0.015	No	26	0.001119	0.0003786	7.692	None	No	0.01	Param.
Lead (mg/L)	MW-21D	0.001	0.00066	0.015	No	18	0.0008238	0.0003622	77.78	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-33	0.001715	0.0008903	0.015	No	14	0.001303	0.0005824	14.29	None	No	0.01	Param.
Lead (mg/L)	MW-34D	0.001	0.001	0.015	No	11	0.0009882	0.0000392	90.91	None	No	0.006	NP (NDs)
Lead (mg/L)	MW-35	0.001	0.00035	0.015	No	13	0.0007185	0.0003029	38.46	None	No	0.01	NP (normality)
Lithium (mg/L)	HGWC-14	0.002	0.00078	0.064	No	28	0.001941	0.0003828	89.29	None	No	0.01	NP (NDs)
Lithium (mg/L)	HGWC-15	0.005806	0.002149	0.064	No	28	0.007138	0.008856	21.43	Kaplan-Meier	ln(x)	0.01	Param.
Lithium (mg/L)	HGWC-16	0.003661	0.002935	0.064	No	28	0.003298	0.0007774	3.571	None	No	0.01	Param.
Lithium (mg/L)	HGWC-17	0.002	0.0012	0.064	No	28	0.001558	0.000414	39.29	None	No	0.01	NP (normality)
Lithium (mg/L)	HGWC-18	0.0136	0.01151	0.064	No	28	0.01255	0.002234	0	None	No	0.01	Param.
Lithium (mg/L)	MW-21D	0.02326	0.01725	0.064	No	18	0.01977	0.005509	0	None	x^2	0.01	Param.
Lithium (mg/L)	MW-33	0.0012	0.000839	0.064	No	14	0.001037	0.000366	14.29	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-34D	0.001867	0.001089	0.064	No	11	0.001639	0.0004837	18.18	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	MW-35	0.004096	0.002611	0.064	No	13	0.003354	0.0009986	7.692	None	No	0.01	Param.
Lithium (mg/L)	MW-51	0.001906	0.00107	0.064	No	9	0.001488	0.0004327	11.11	None	No	0.01	Param.
Mercury (mg/L)	HGWC-15	0.024	0.0002	0.002	No	21	0.001333	0.005194	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	HGWC-18	0.0002	0.00009	0.002	No	21	0.000169	0.00005744	76.19	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-35	0.00084	0.00014	0.002	No	9	0.0002744	0.0002206	55.56	None	No	0.002	NP (NDs)
Mercury (mg/L)	MW-51	0.0002	0.00013	0.002	No	8	0.0001912	0.00002475	87.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	HGWC-15	0.01	0.0007	0.1	No	26	0.009642	0.001824	96.15	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-21D	0.02725	0.01584	0.1	No	18	0.02154	0.009428	0	None	No	0.01	Param.
Selenium (mg/L)	HGWC-14	0.01082	0.005984	0.05	No	28	0.0084	0.00517	0	None	No	0.01	Param.
Selenium (mg/L)	HGWC-15	0.005	0.0041	0.05	No	28	0.00454	0.001274	85.71	None	No	0.01	NP (NDs)
Selenium (mg/L)	HGWC-16	0.005	0.0015	0.05	No	28	0.004575	0.00127	89.29	None	No	0.01	NP (NDs)
Selenium (mg/L)	HGWC-17	0.005	0.0023	0.05	No	28	0.004364	0.001427	82.14	None	No	0.01	NP (NDs)
Selenium (mg/L)	HGWC-18	0.0287	0.01231	0.05	No	28	0.02342	0.02074	3.571	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	MW-33	0.0169	0.007555	0.05	No	14	0.01344	0.009765	0	None	ln(x)	0.01	Param.
Selenium (mg/L)	MW-34D	0.005	0.0016	0.05	No	11	0.003927	0.001562	54.55	None	No	0.006	NP (NDs)
Selenium (mg/L)	MW-35	0.016	0.0057	0.05	No	13	0.01103	0.008615	0	None	No	0.01	NP (normality)
Selenium (mg/L)	MW-51	0.004566	0.001478	0.05	No	9	0.003567	0.001802	22.22	Kaplan-Meier	No	0.01	Param.
Thallium (mg/L)	HGWC-14	0.000306	0.00027	0.002	No	28	0.0003106	0.00007003	7.143	None	No	0.01	NP (normality)
Thallium (mg/L)	HGWC-15	0.0005	0.00022	0.002	No	28	0.00049	0.00005292	96.43	None	No	0.01	NP (NDs)
Thallium (mg/L)	HGWC-17	0.0005	0.00025	0.002	No	28	0.0003946	0.0001716	71.43	None	No	0.01	NP (NDs)
Thallium (mg/L)	HGWC-18	0.0005	0.00019	0.002	No	28	0.0003582	0.0001676	57.14	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-33	0.001	0.00023	0.002	No	14	0.0004807	0.0003439	28.57	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-34D	0.0005	0.0005	0.002	No	11	0.0004682	0.0001055	90.91	None	No	0.006	NP (NDs)
Thallium (mg/L)	MW-35	0.0005	0.00013	0.002	No	13	0.0004715	0.0001026	92.31	None	No	0.01	NP (NDs)

Appendix IV Trend Tests - Confidence Interval Exceedances - Significant Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 10/20/2025, 6:28 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	**HGWA-4 (bg)**	**0**	**-131**	**-101**	**Yes**	**28**	**64.29**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**HGWC-18**	**-0.01046**	**-239**	**-106**	**Yes**	**29**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**MW-35**	**-0.002862**	**-42**	**-34**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - Confidence Interval Exceedances - All Results

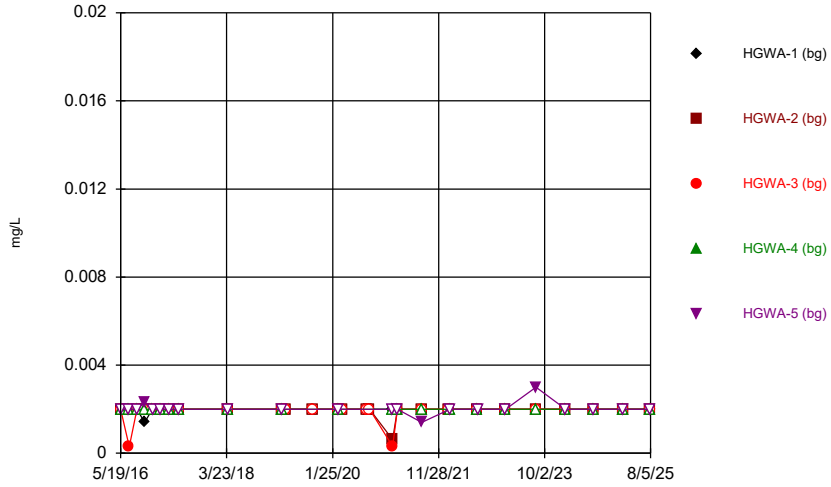
Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 10/20/2025, 6:28 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	HGWA-1 (bg)	0	-30	-106	No	29	86.21	n/a	n/a	0.05	NP
Cobalt (mg/L)	HGWA-2 (bg)	0.0003566	40	106	No	29	0	n/a	n/a	0.05	NP
Cobalt (mg/L)	HGWA-3 (bg)	0	0	106	No	29	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	**HGWA-4 (bg)**	**0**	**-131**	**-101**	**Yes**	**28**	**64.29**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	HGWA-5 (bg)	0	-1	-101	No	28	32.14	n/a	n/a	0.05	NP
Cobalt (mg/L)	HGWA-6 (bg)	0	-23	-101	No	28	96.43	n/a	n/a	0.05	NP
Cobalt (mg/L)	HGWA-42D (bg)	0	1	41	No	15	86.67	n/a	n/a	0.05	NP
Cobalt (mg/L)	HGWA-43D (bg)	0	0	41	No	15	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	HGWA-44D (bg)	0	0	41	No	15	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	**HGWC-18**	**-0.01046**	**-239**	**-106**	**Yes**	**29**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	MW-33	-0.002621	-29	-41	No	15	0	n/a	n/a	0.05	NP
Cobalt (mg/L)	**MW-35**	**-0.002862**	**-42**	**-34**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.05**	**NP**

FIGURE A.

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

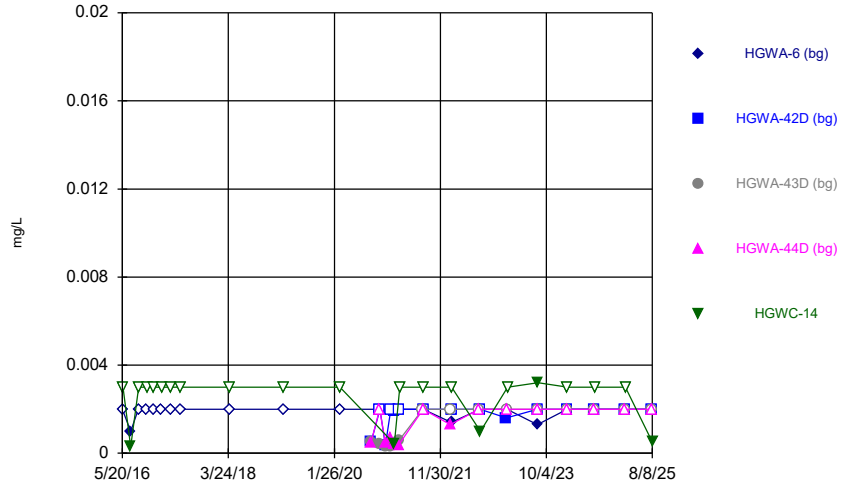
Time Series



Constituent: Antimony Analysis Run 10/16/2025 3:56 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

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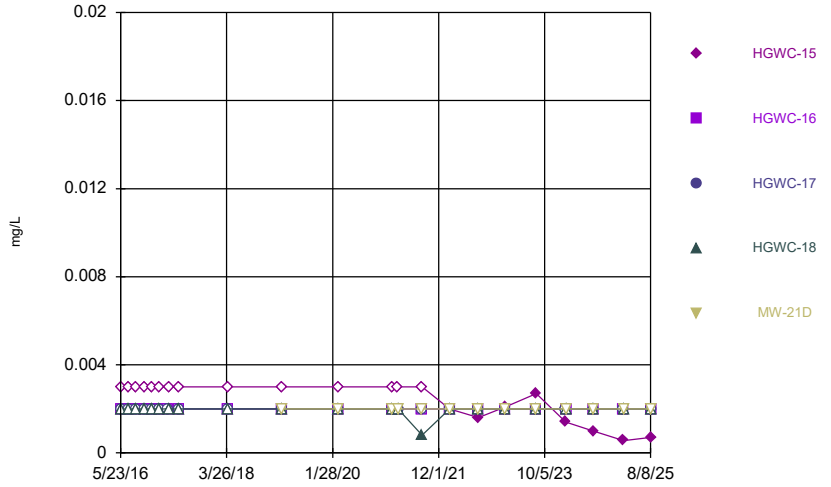
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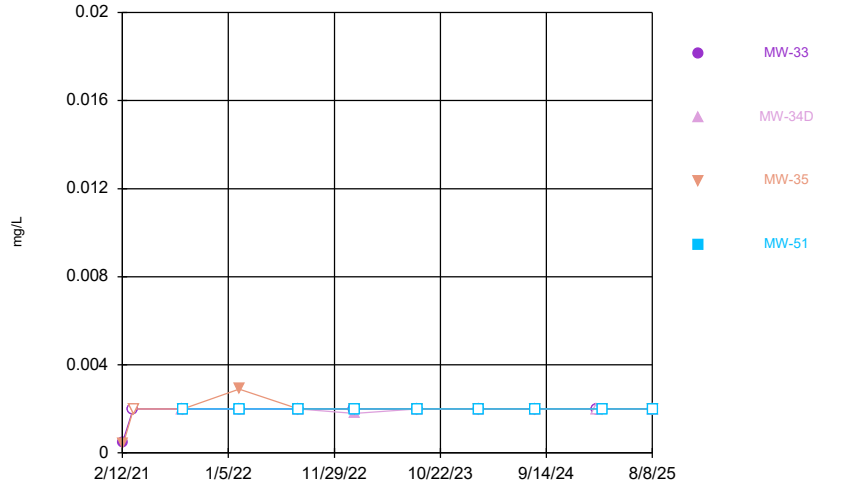
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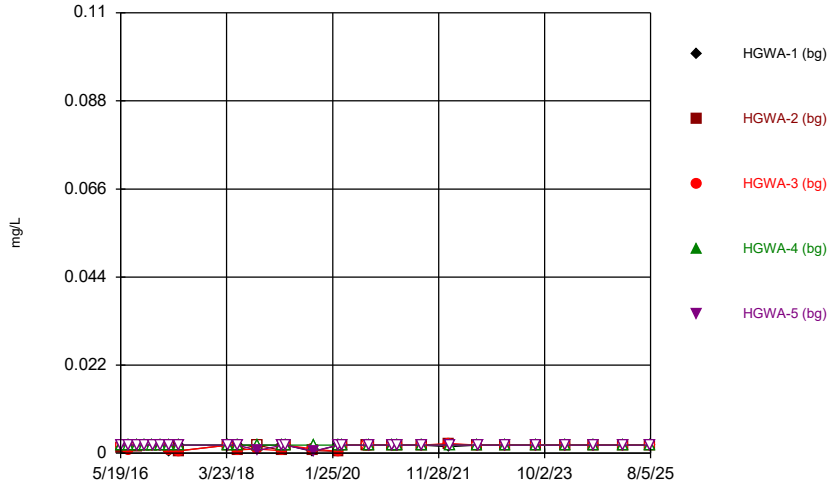
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Plant Hammond Client: Southern Company Data: Hammond AP2

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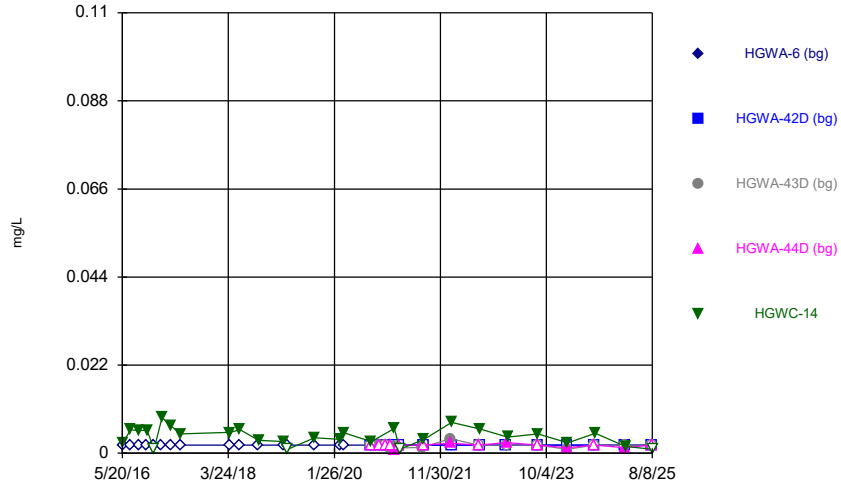
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Plant Hammond Client: Southern Company Data: Hammond AP2

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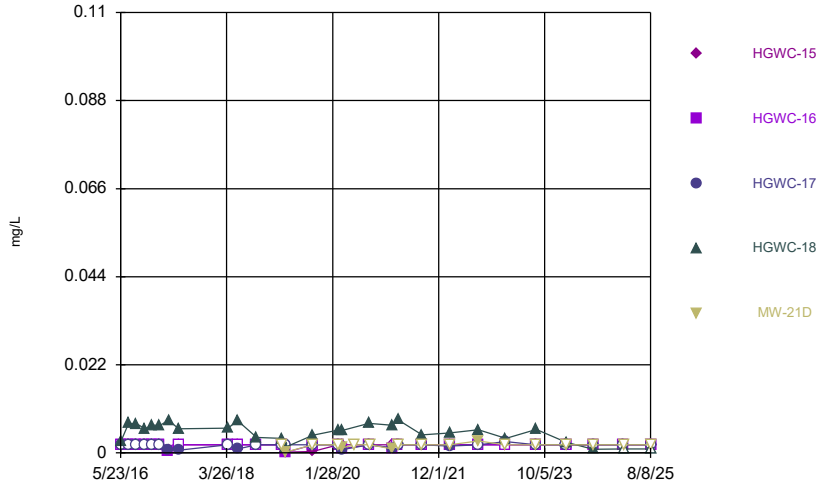
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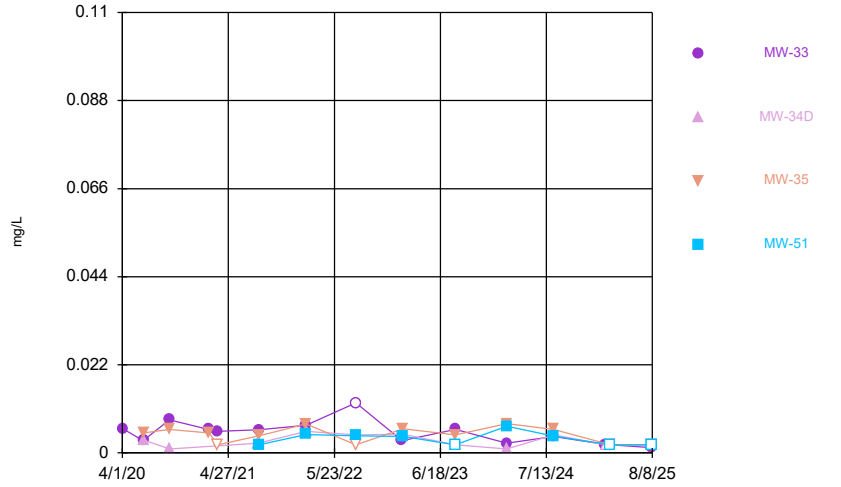
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Plant Hammond Client: Southern Company Data: Hammond AP2

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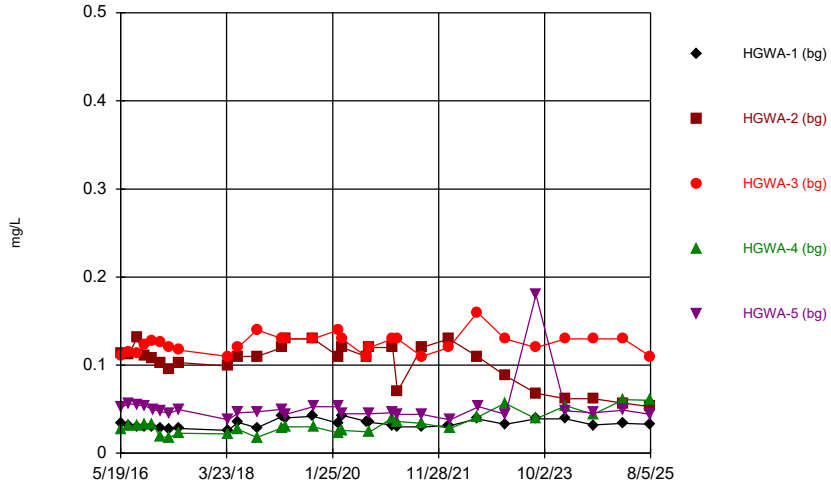
Time Series



Constituent: Arsenic Analysis Run 10/16/2025 3:56 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series



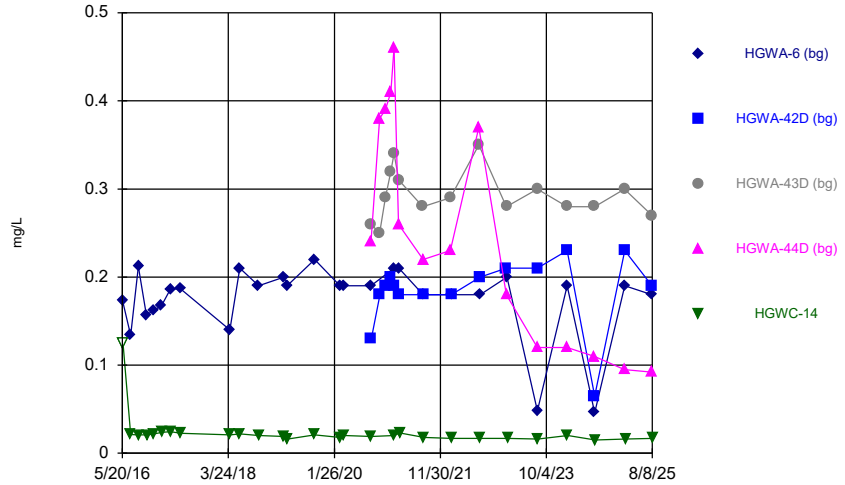
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Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series



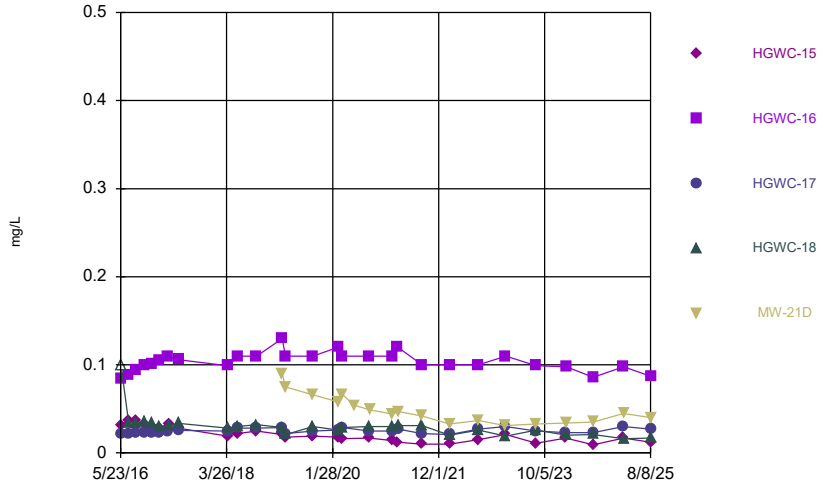
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Time Series

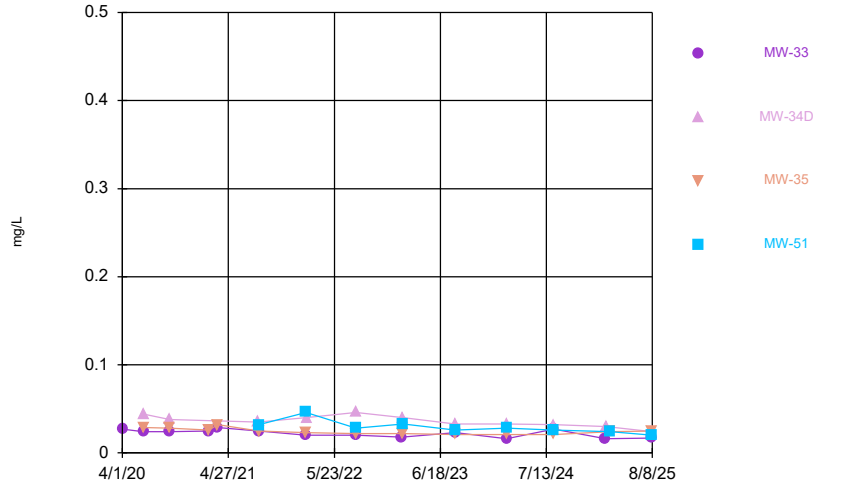


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Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

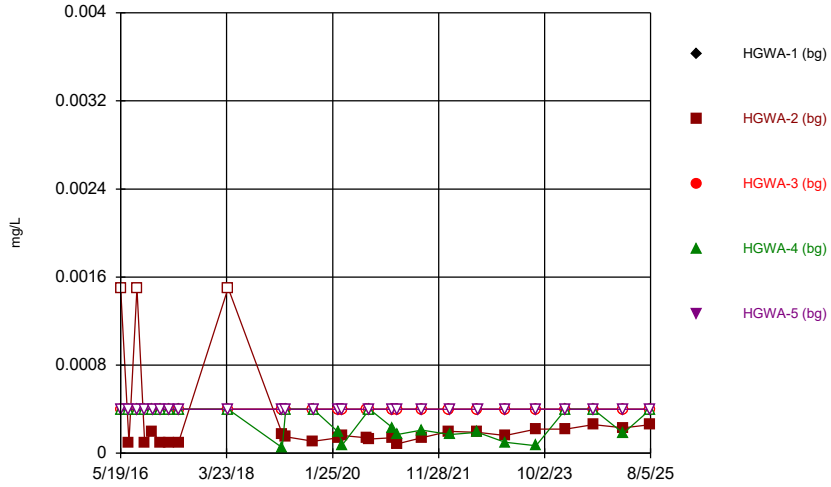


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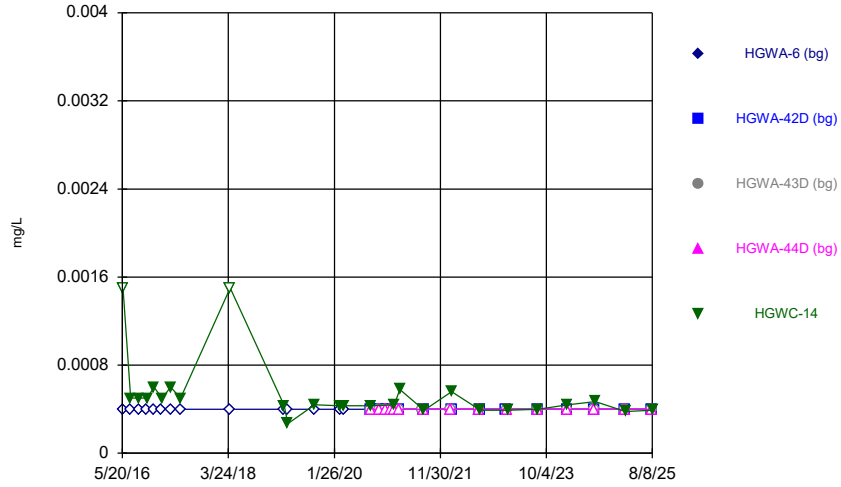
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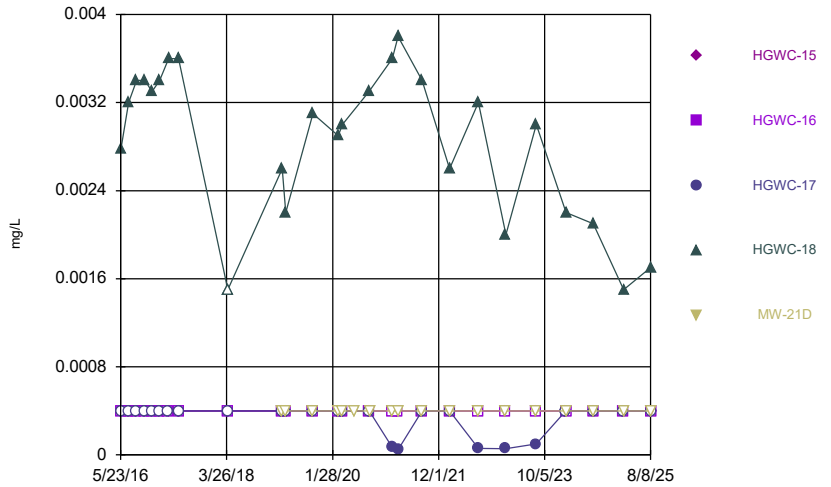
Time Series



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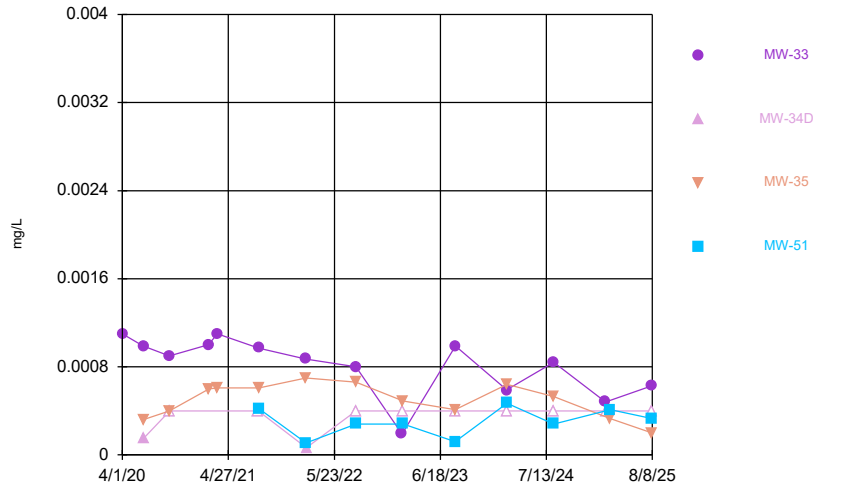
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Constituent: Beryllium Analysis Run 10/16/2025 3:56 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

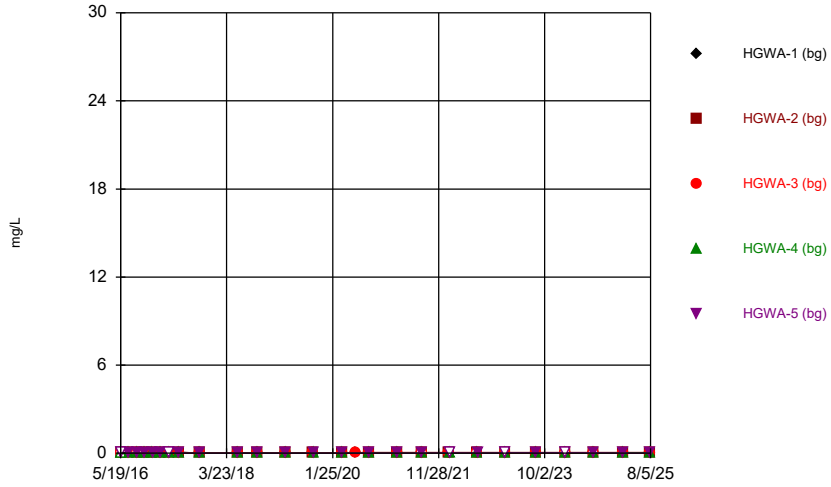
Time Series



Constituent: Beryllium Analysis Run 10/16/2025 3:56 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

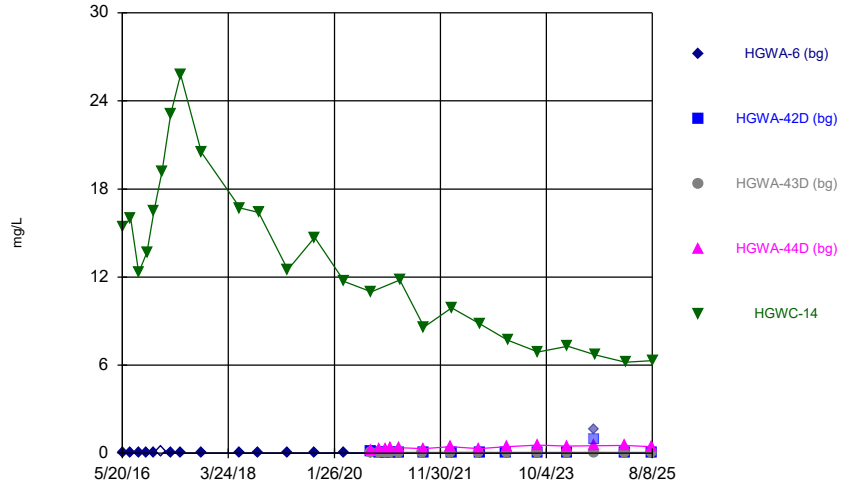
Time Series



Constituent: Boron Analysis Run 10/16/2025 3:56 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

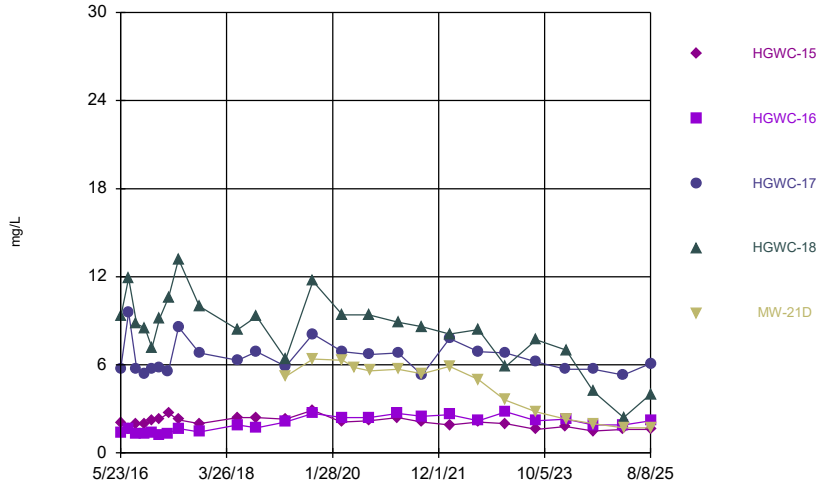
Time Series



Constituent: Boron Analysis Run 10/16/2025 3:56 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

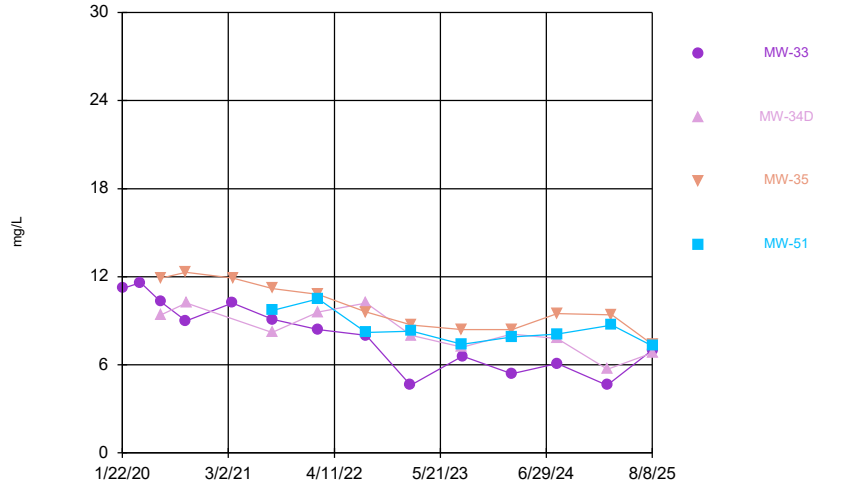
Time Series



Constituent: Boron Analysis Run 10/16/2025 3:56 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

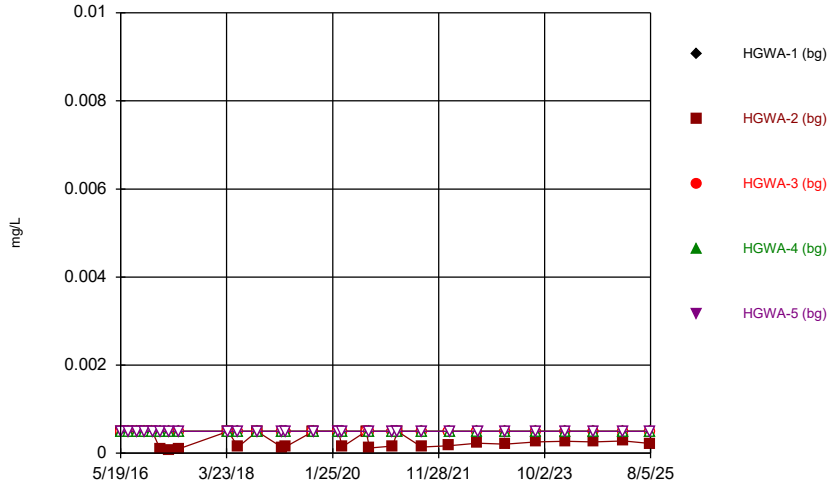
Time Series



Constituent: Boron Analysis Run 10/16/2025 3:56 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

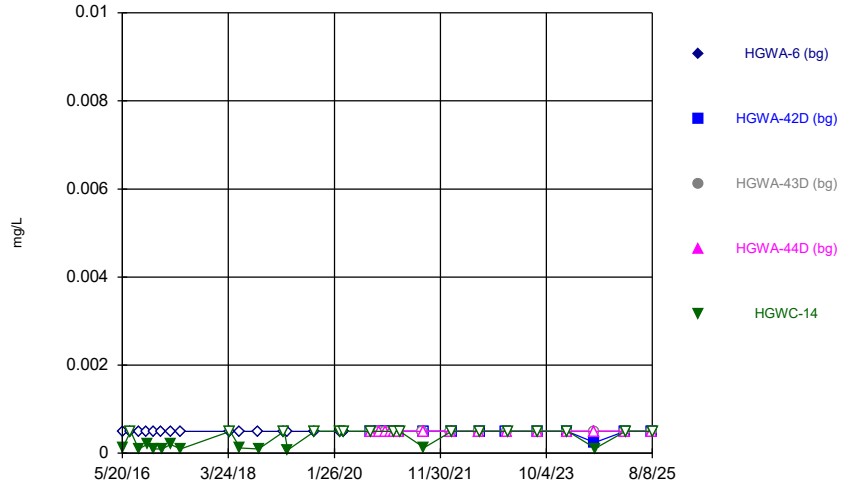
Time Series



Constituent: Cadmium Analysis Run 10/16/2025 3:56 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

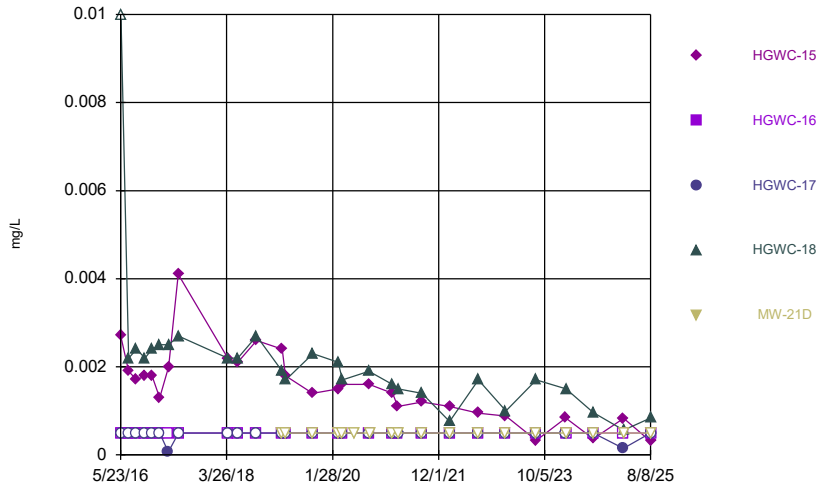
Time Series



Constituent: Cadmium Analysis Run 10/16/2025 3:56 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

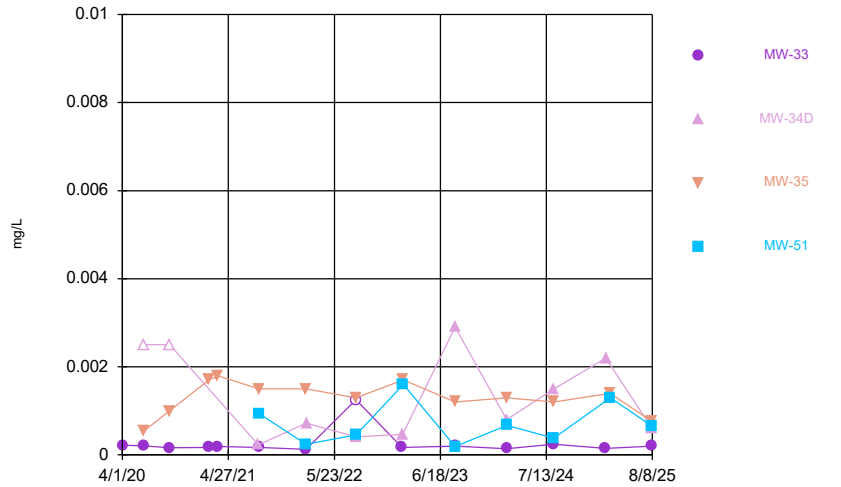
Time Series



Constituent: Cadmium Analysis Run 10/16/2025 3:56 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

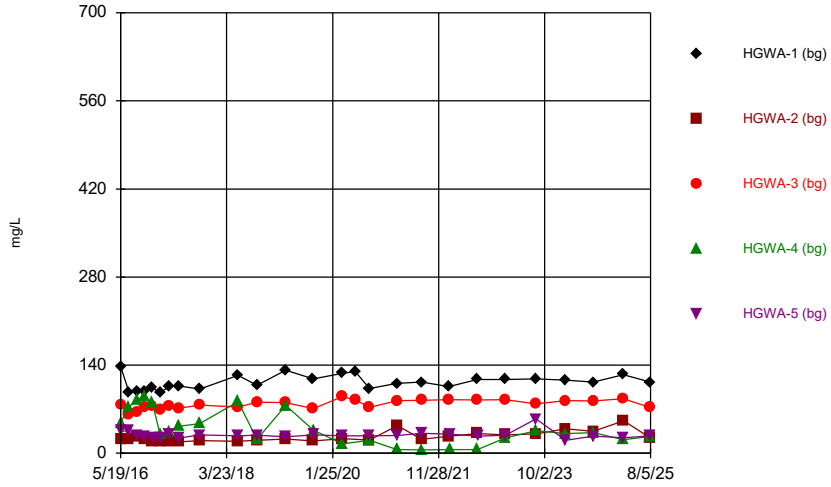
Time Series



Constituent: Cadmium Analysis Run 10/16/2025 3:56 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

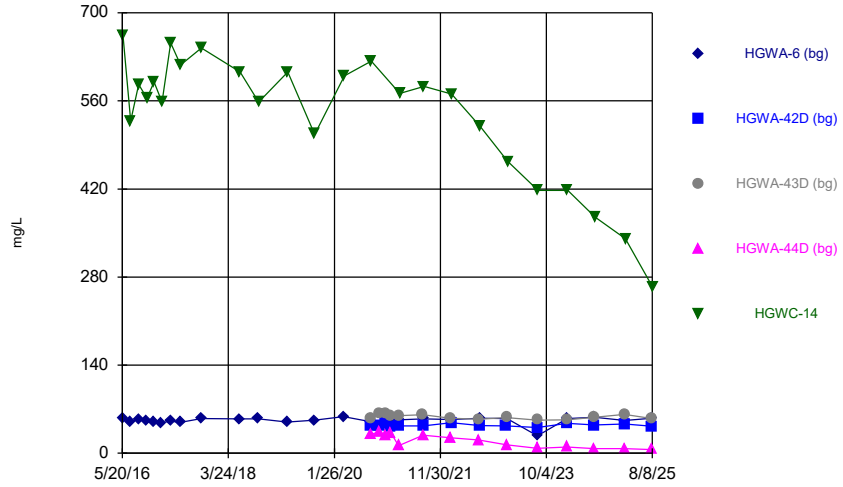


Constituent: Calcium Analysis Run 10/16/2025 3:56 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

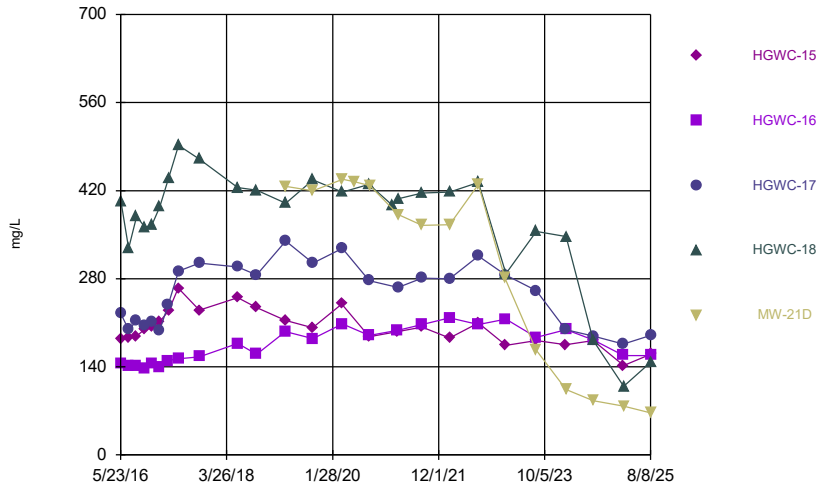


Constituent: Calcium Analysis Run 10/16/2025 3:56 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

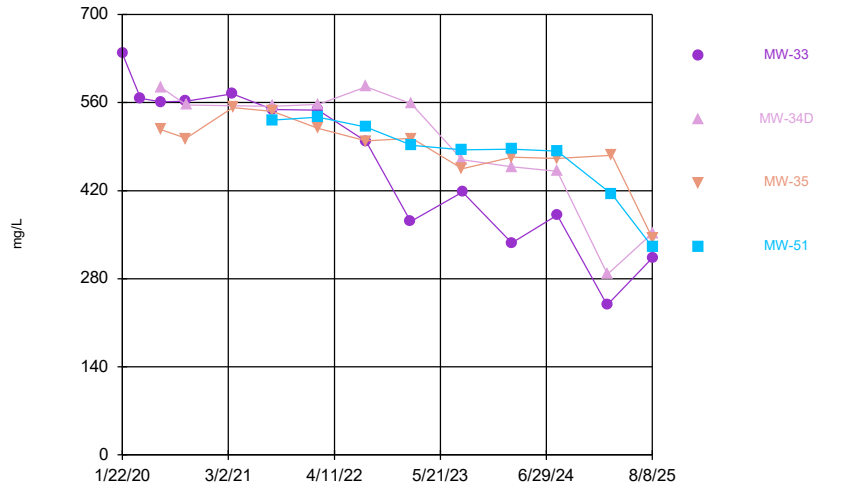


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Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

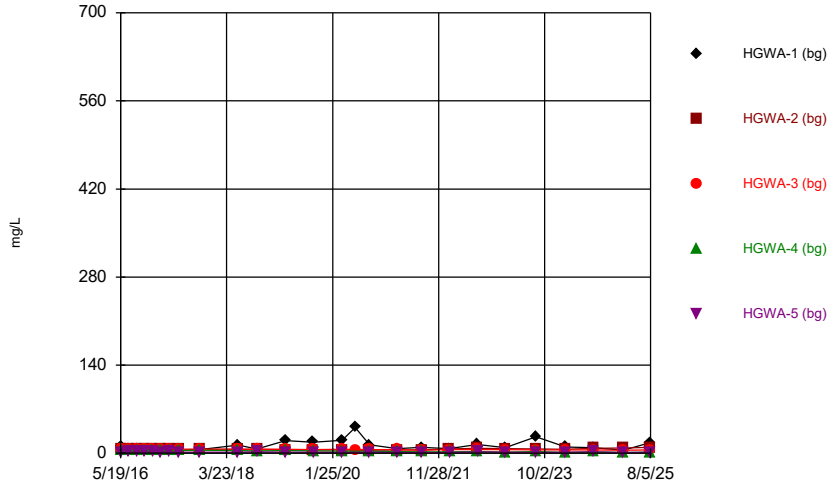


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Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

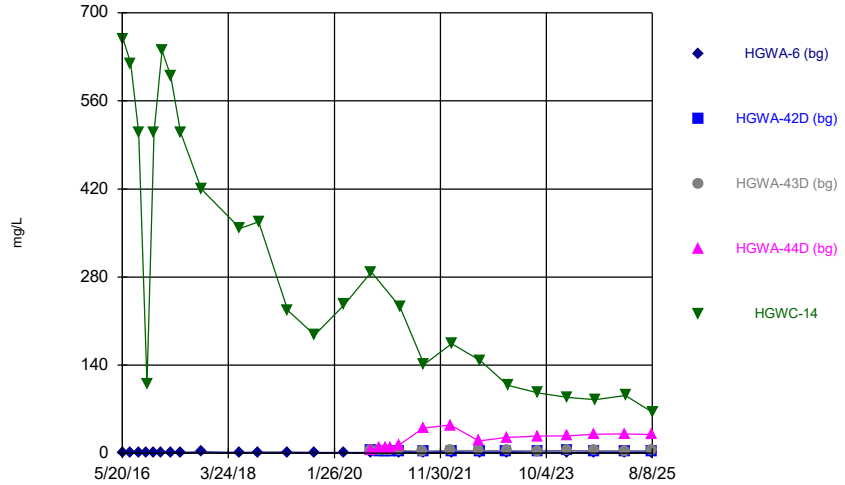


Constituent: Chloride Analysis Run 10/16/2025 3:56 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

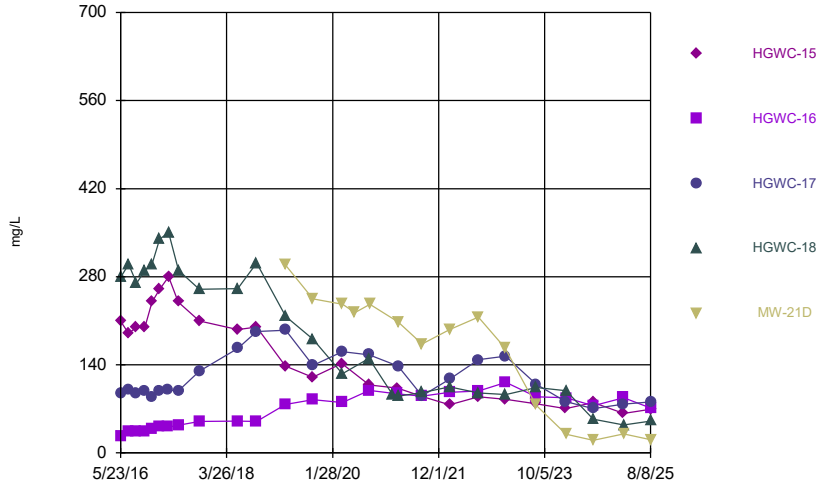


Constituent: Chloride Analysis Run 10/16/2025 3:56 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

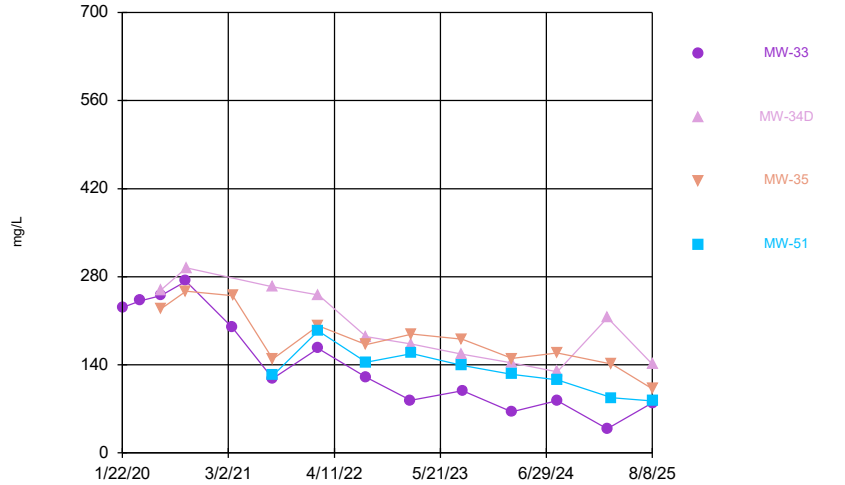


Constituent: Chloride Analysis Run 10/16/2025 3:57 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

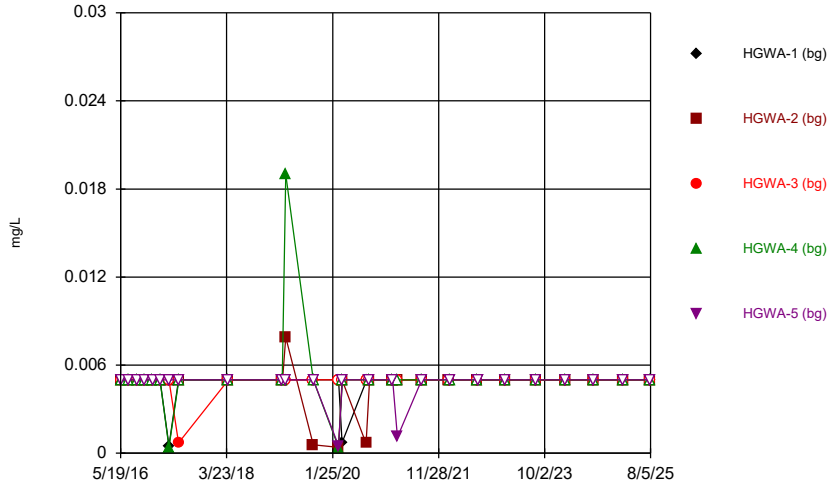


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Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

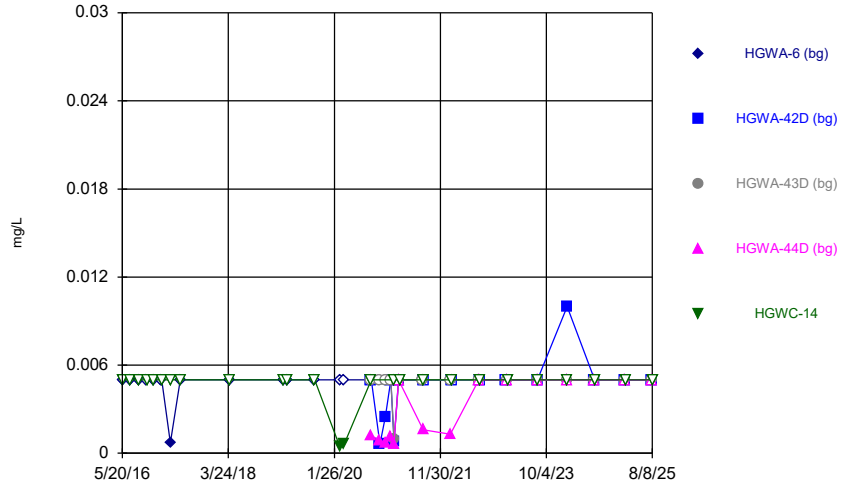
Time Series



Constituent: Chromium Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

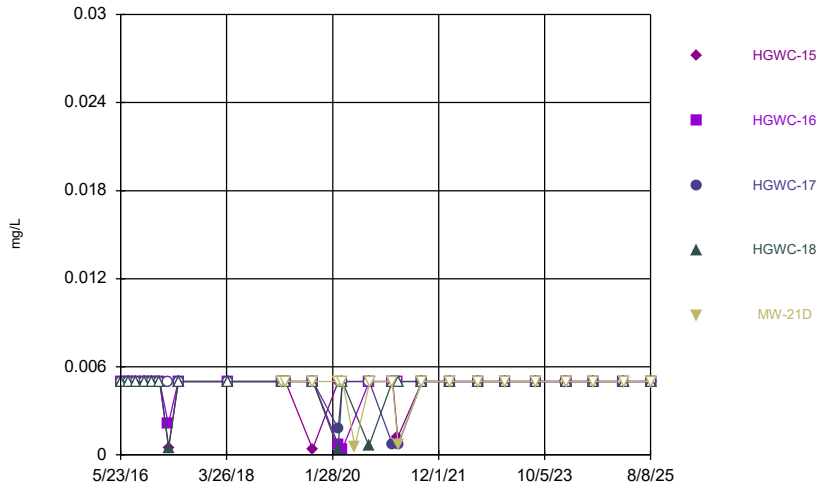
Time Series



Constituent: Chromium Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

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Hollow symbols indicate censored values.

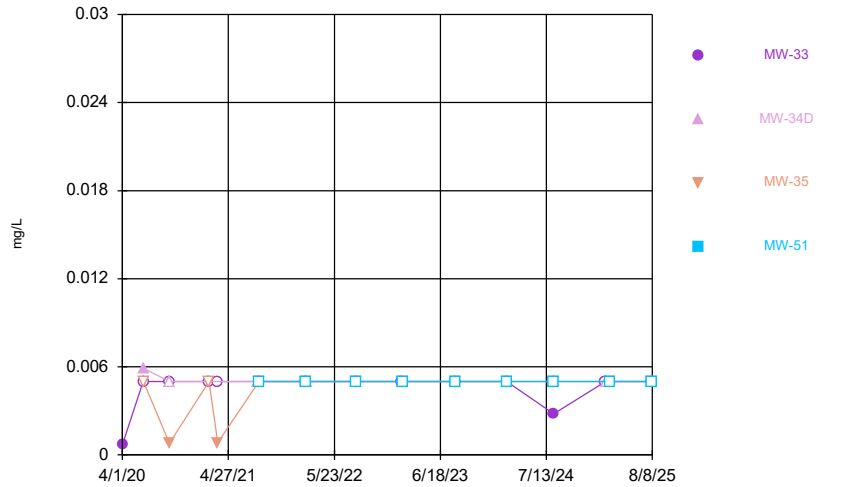
Time Series



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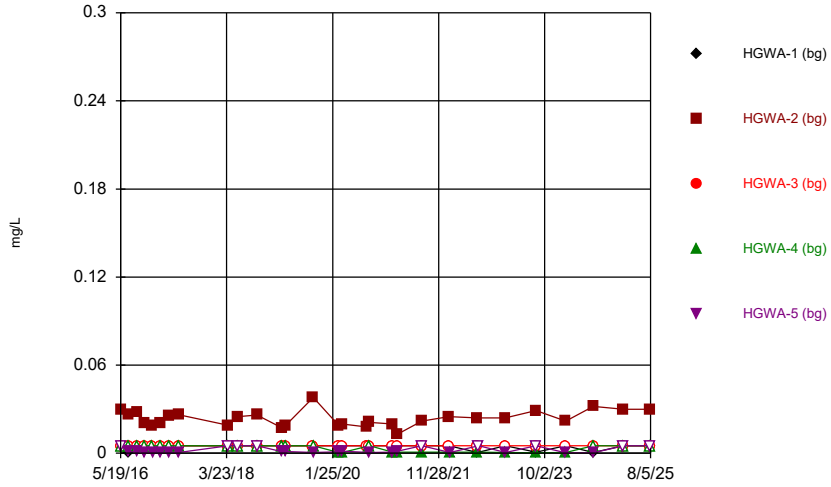
Time Series



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Plant Hammond Client: Southern Company Data: Hammond AP2

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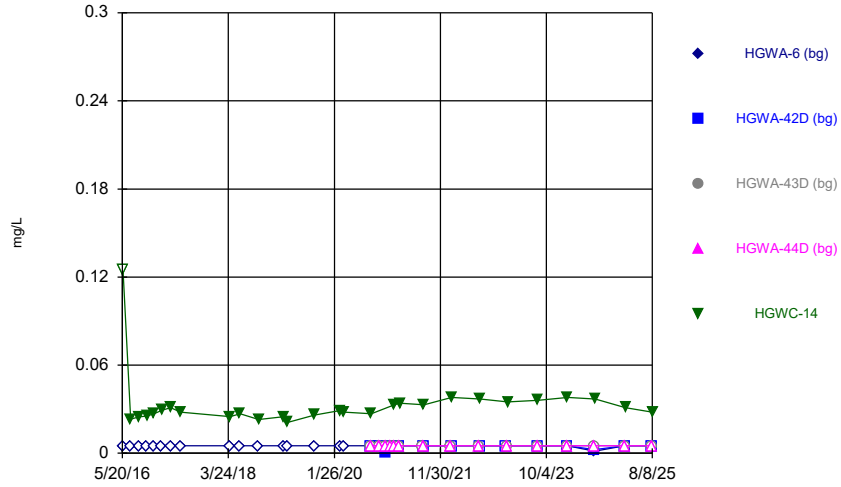
Time Series



Constituent: Cobalt Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

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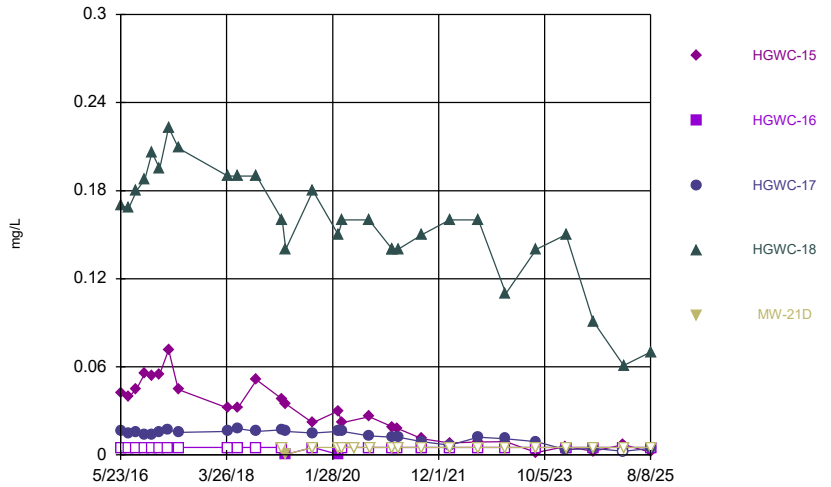
Time Series



Constituent: Cobalt Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

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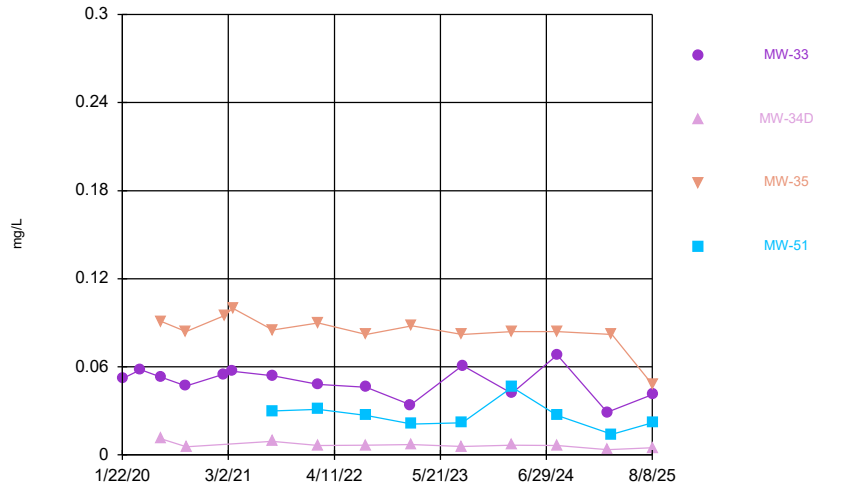
Time Series



Constituent: Cobalt Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

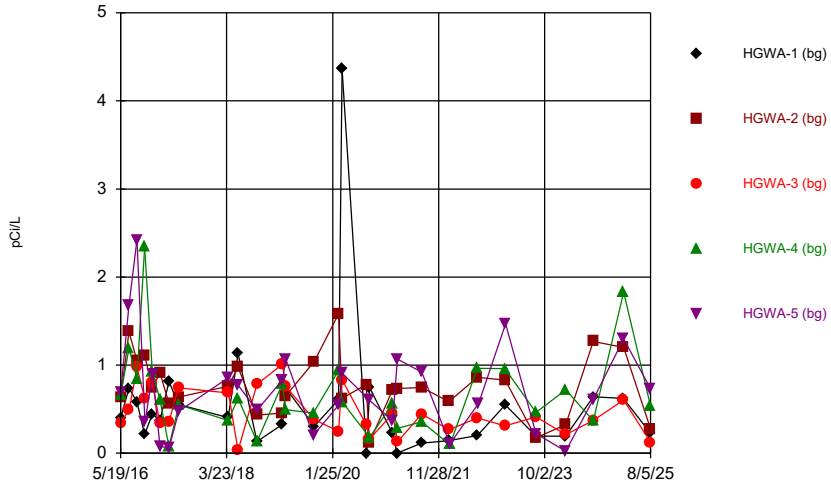
Time Series



Constituent: Cobalt Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

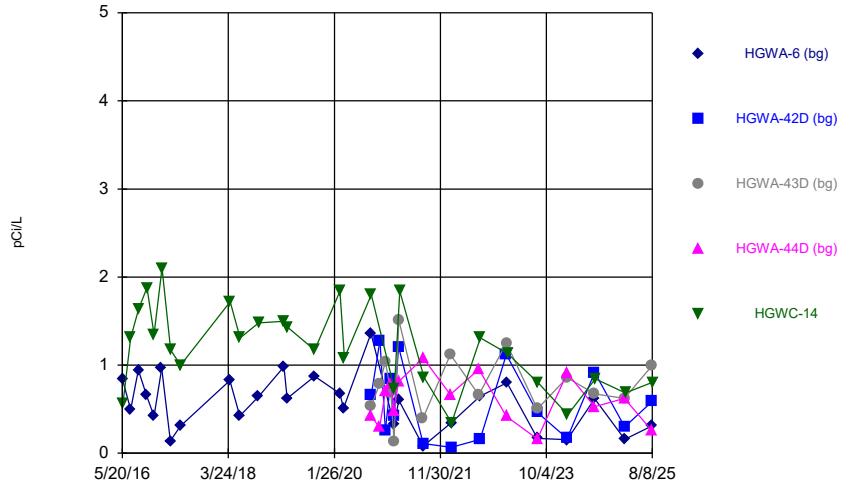
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

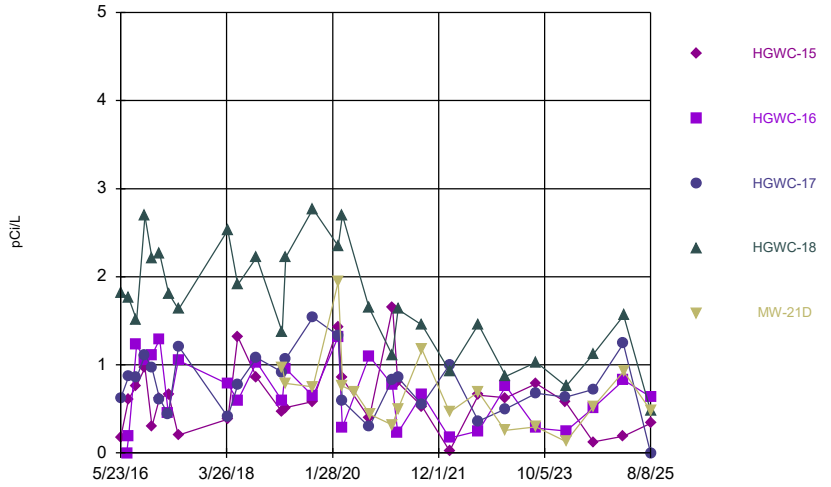
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

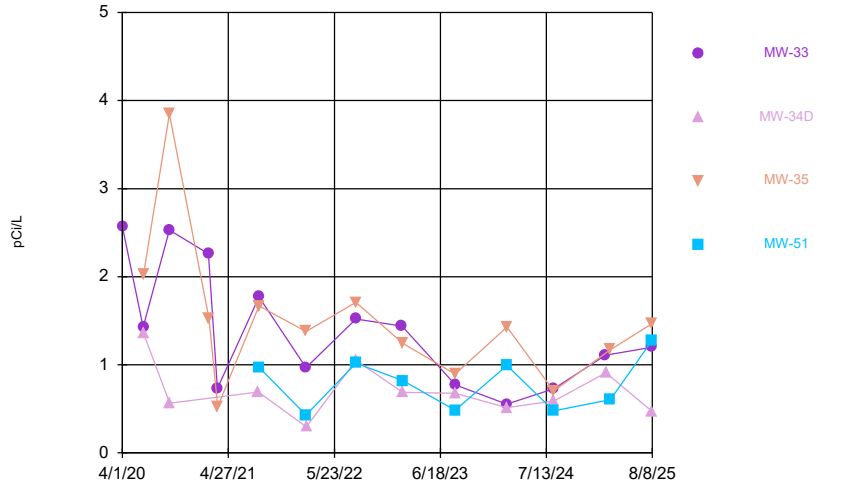
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

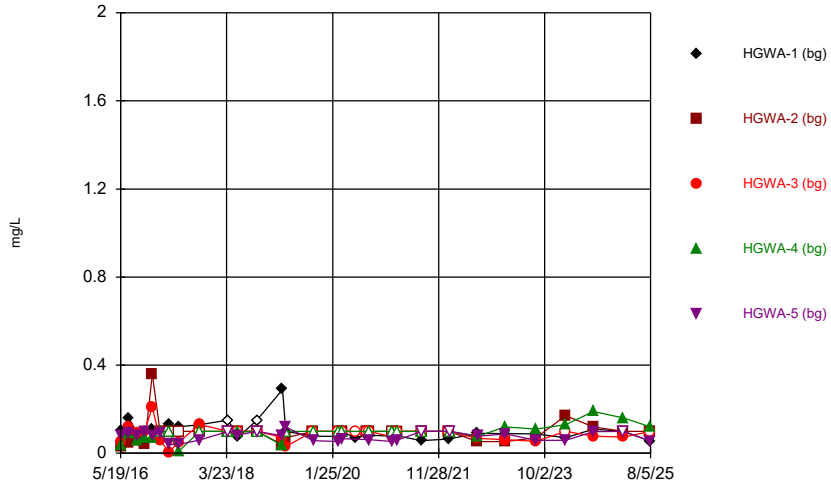
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

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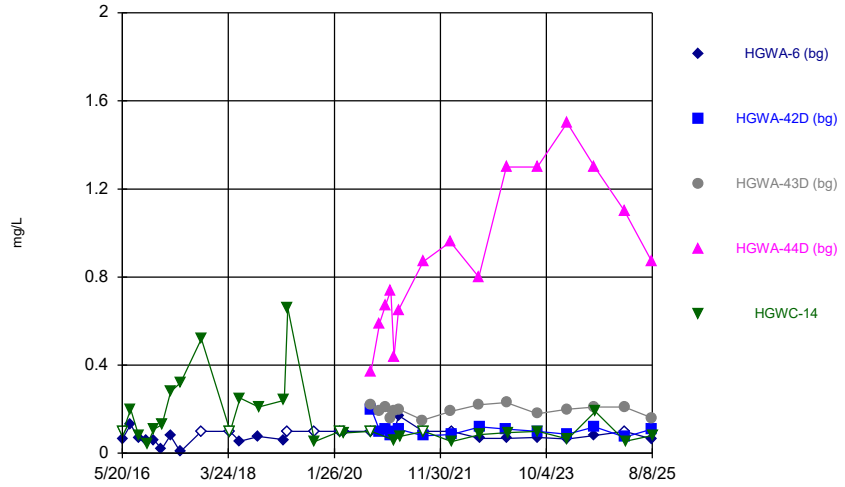
Time Series



Constituent: Fluoride Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

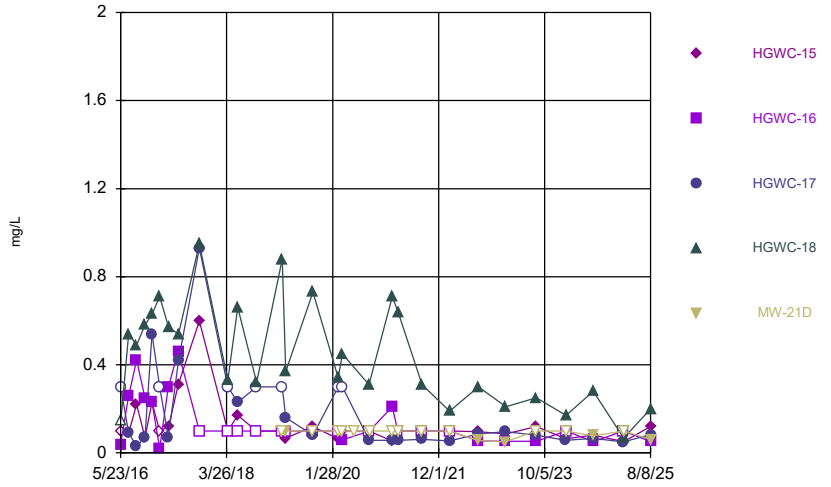
Time Series



Constituent: Fluoride Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
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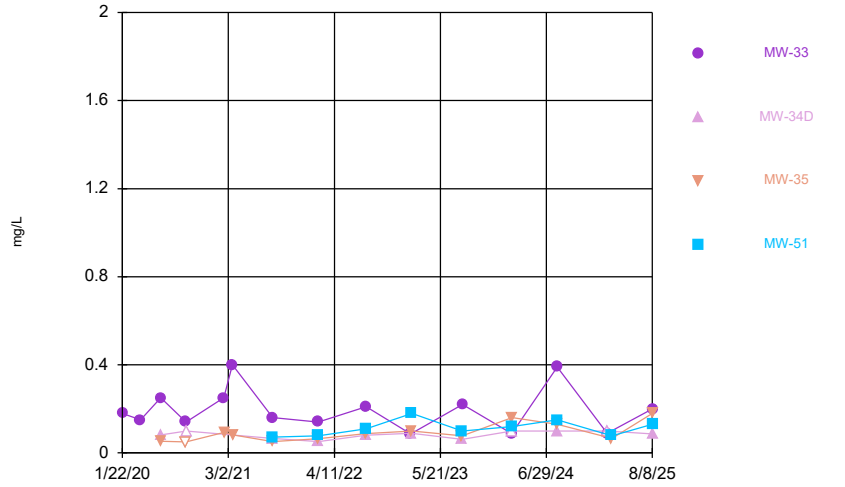
Time Series



Constituent: Fluoride Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
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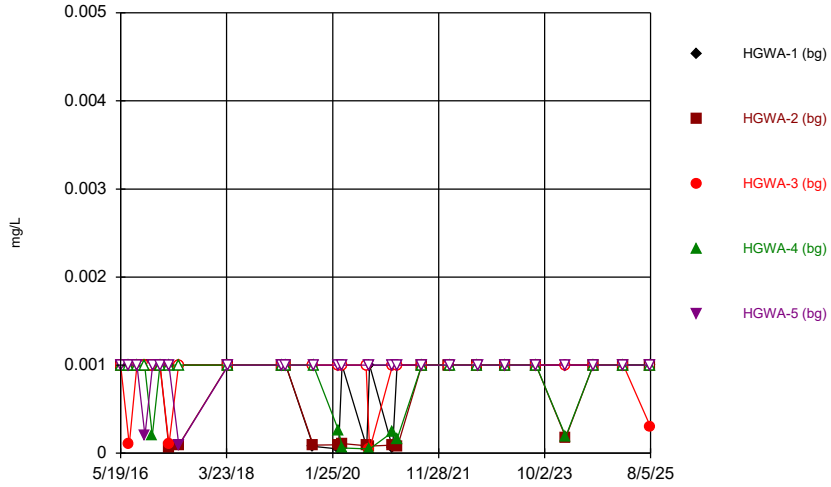
Time Series



Constituent: Fluoride Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

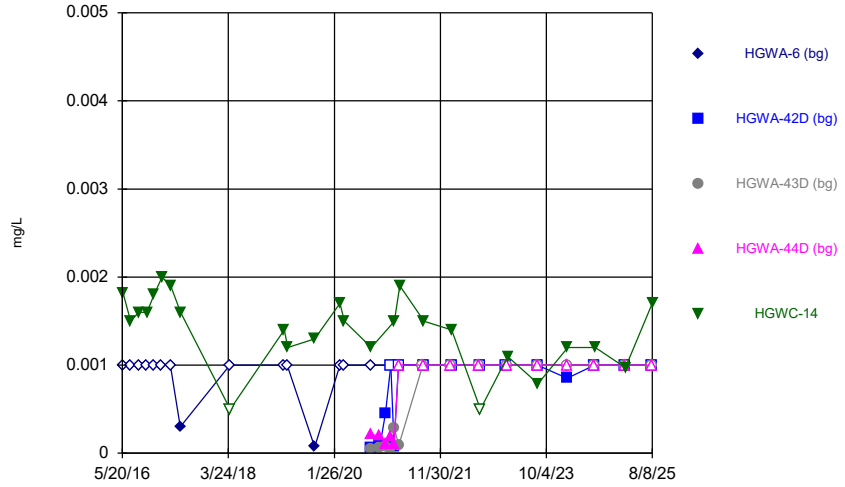
Time Series



Constituent: Lead Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

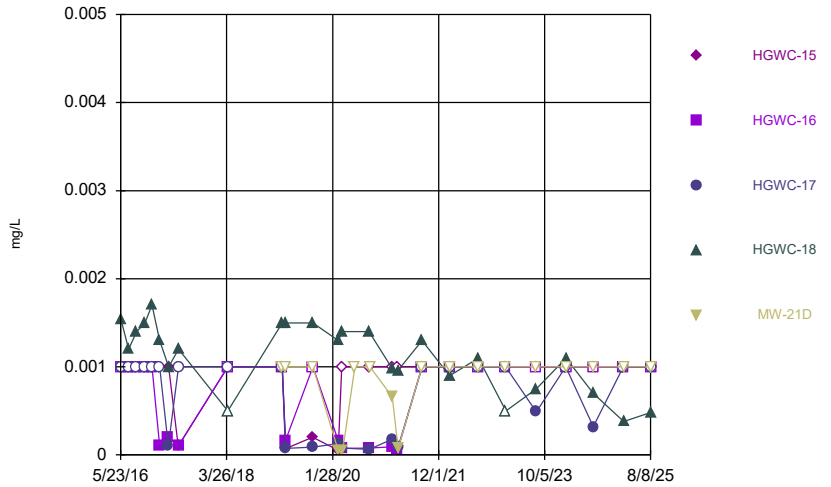
Time Series



Constituent: Lead Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

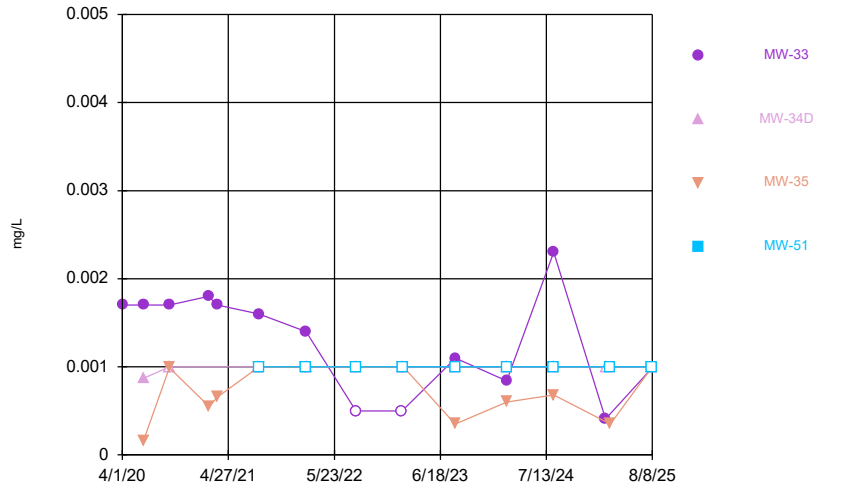
Time Series



Constituent: Lead Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

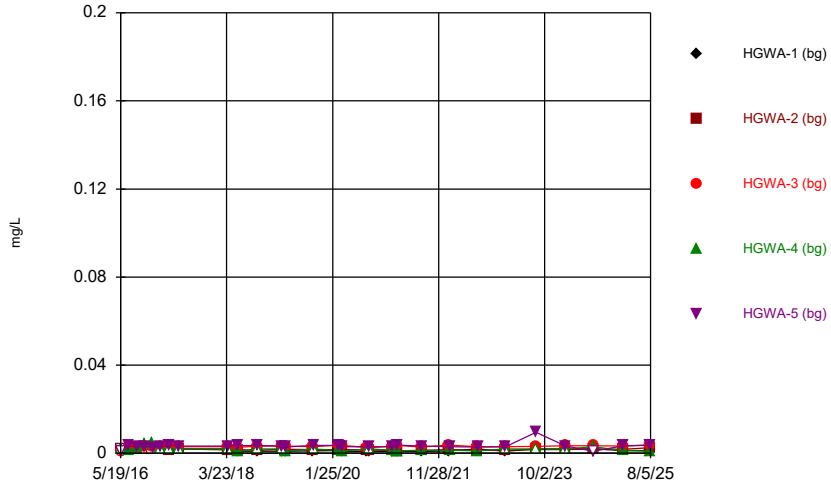
Time Series



Constituent: Lead Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

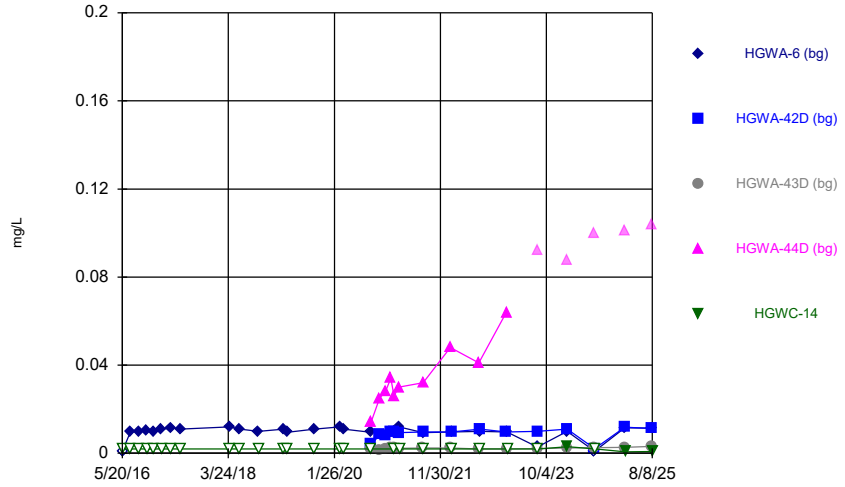
Time Series



Constituent: Lithium Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

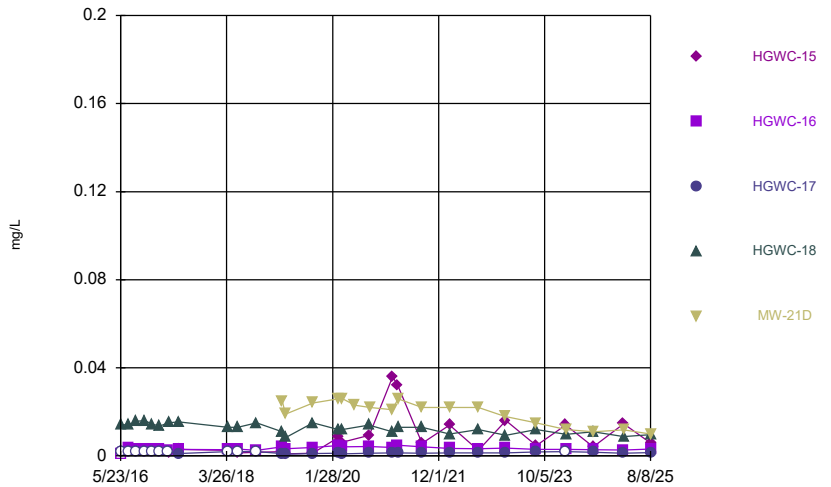
Time Series



Constituent: Lithium Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

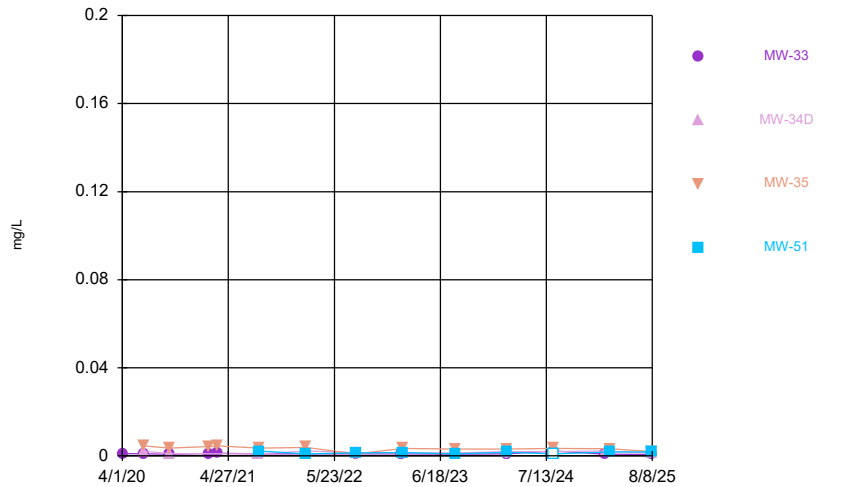
Time Series



Constituent: Lithium Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

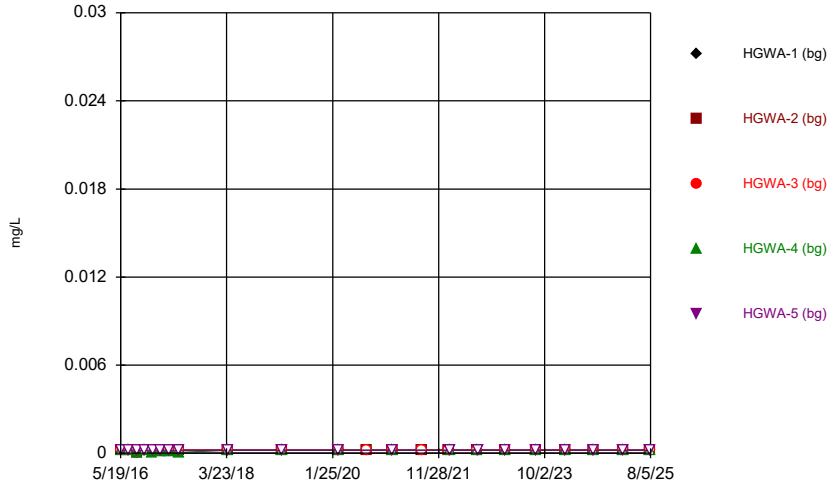
Time Series



Constituent: Lithium Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

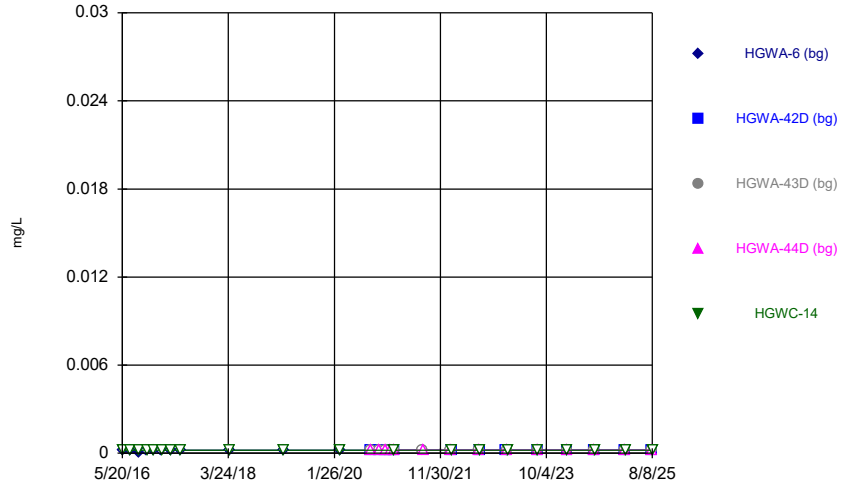
Time Series



Constituent: Mercury Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

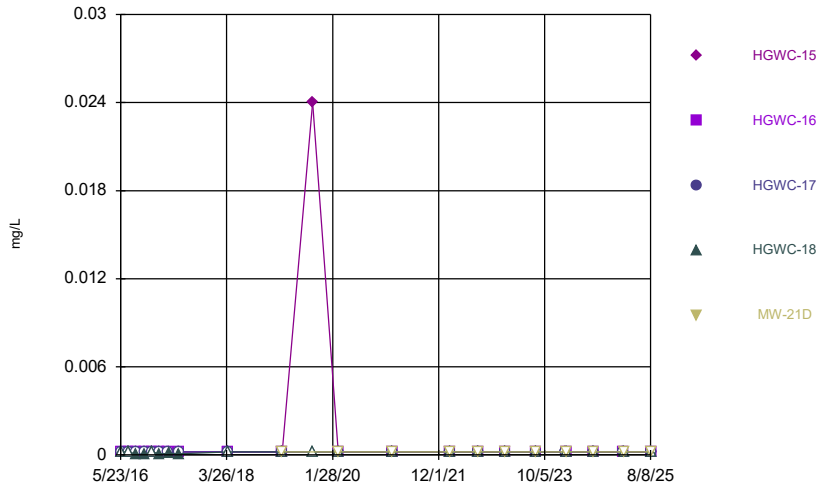
Time Series



Constituent: Mercury Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

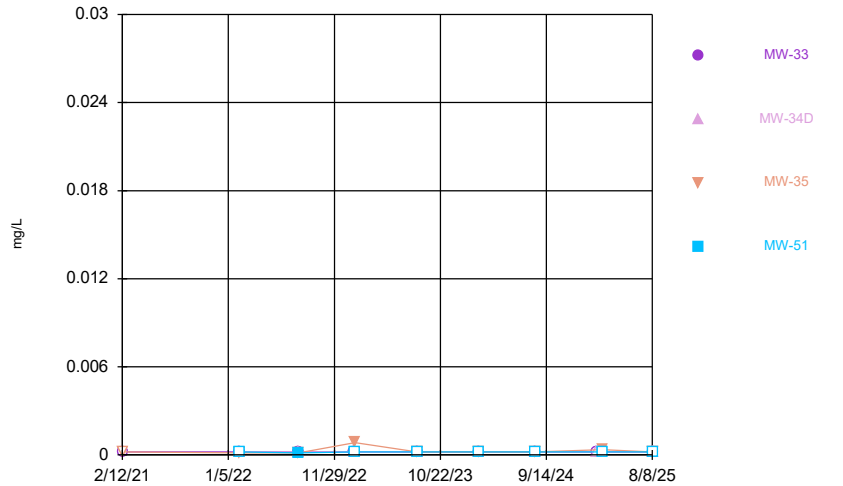
Time Series



Constituent: Mercury Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

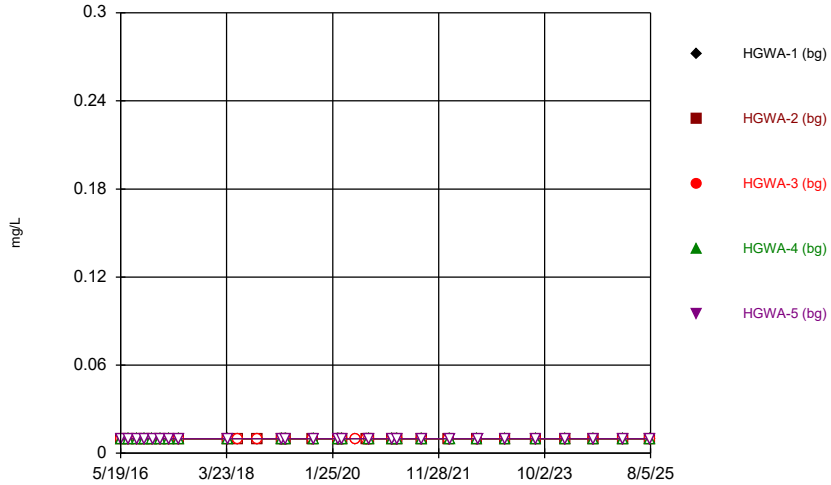
Time Series



Constituent: Mercury Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

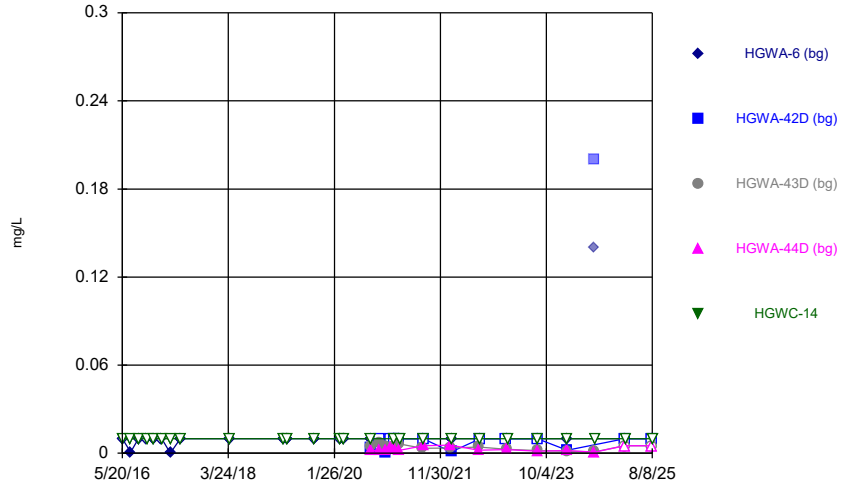
Time Series



Constituent: Molybdenum Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

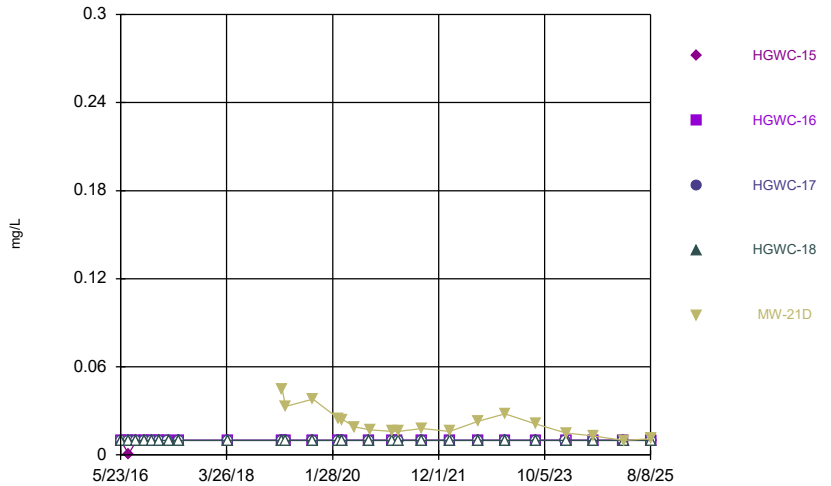
Time Series



Constituent: Molybdenum Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

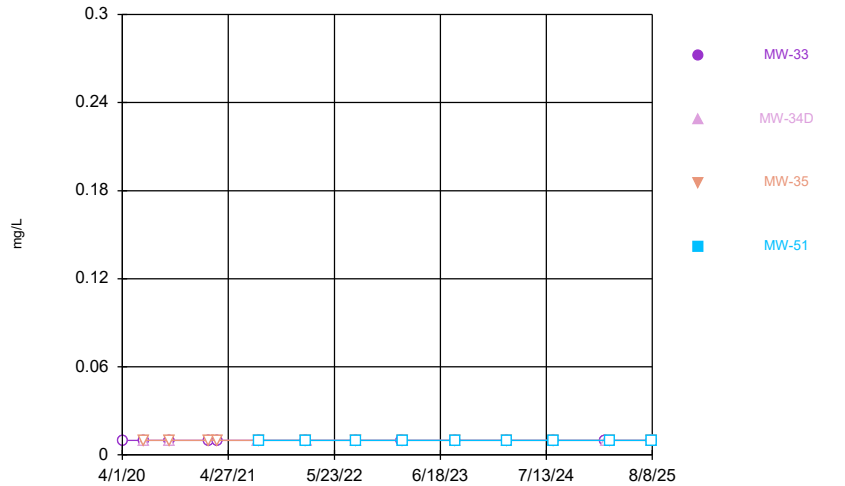
Time Series



Constituent: Molybdenum Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

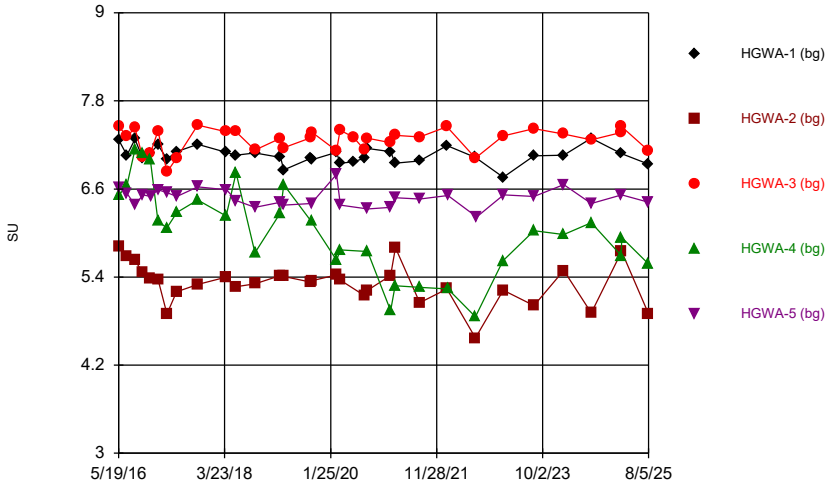
Time Series



Constituent: Molybdenum Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

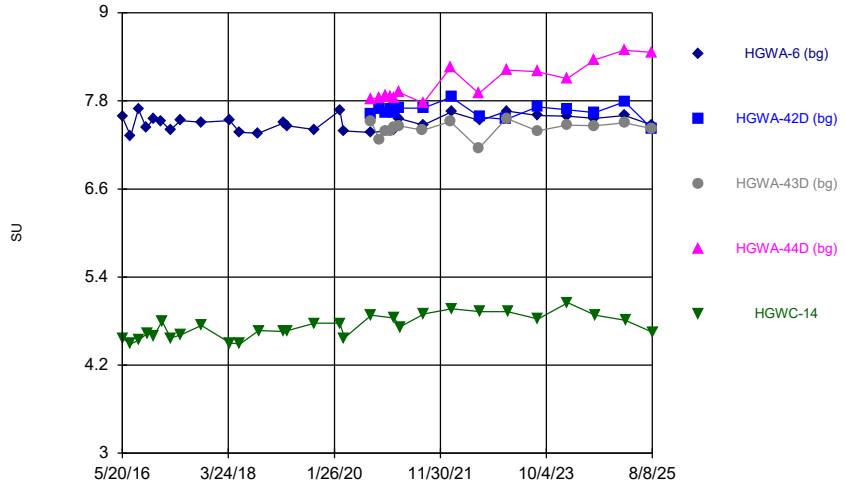


Constituent: pH, Field Analysis Run 10/16/2025 3:57 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

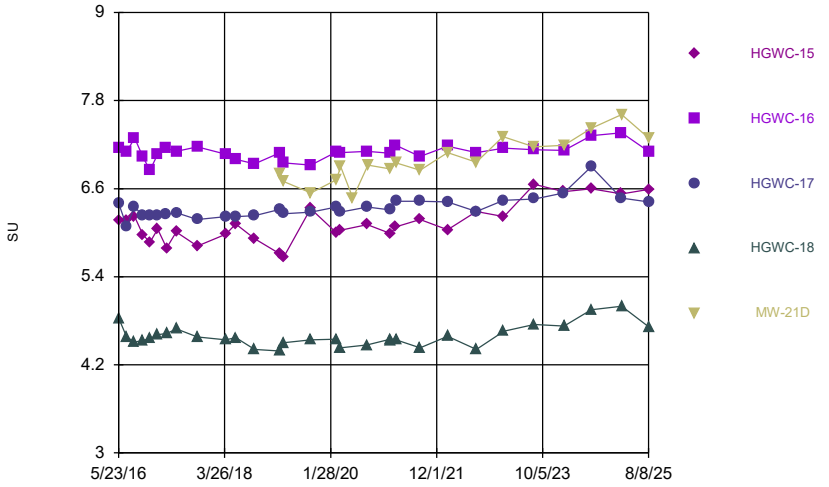


Constituent: pH, Field Analysis Run 10/16/2025 3:57 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

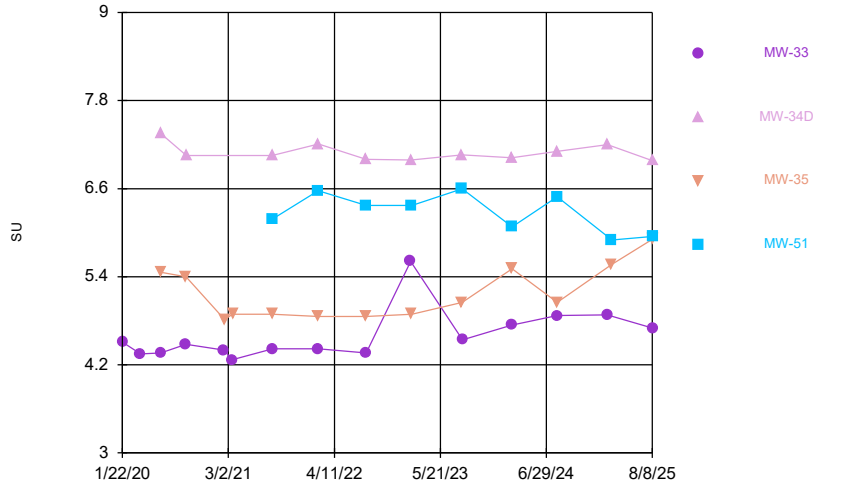


Constituent: pH, Field Analysis Run 10/16/2025 3:57 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

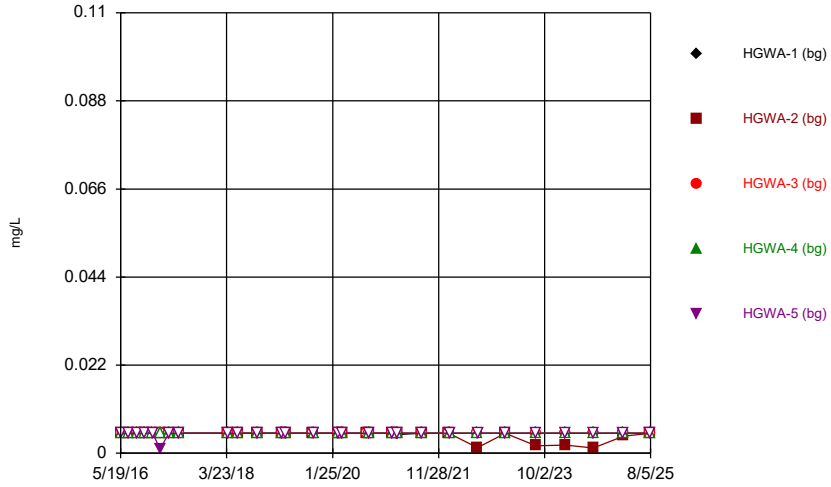


Constituent: pH, Field Analysis Run 10/16/2025 3:57 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

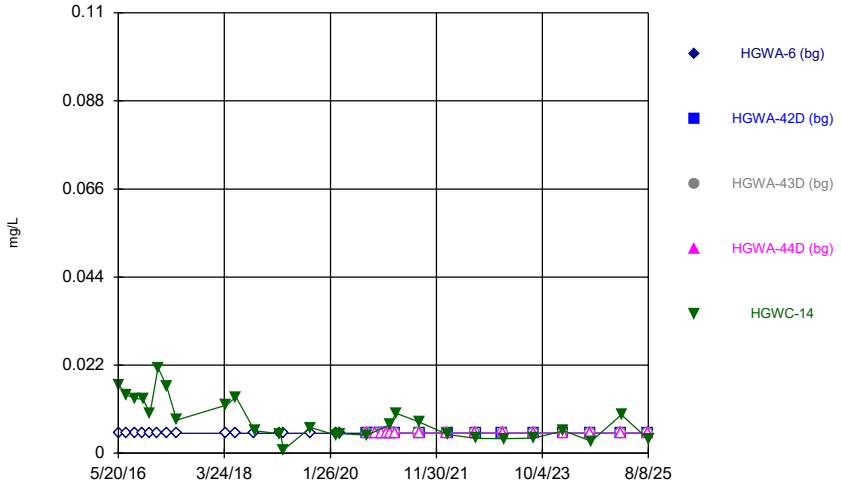
Time Series



Constituent: Selenium Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

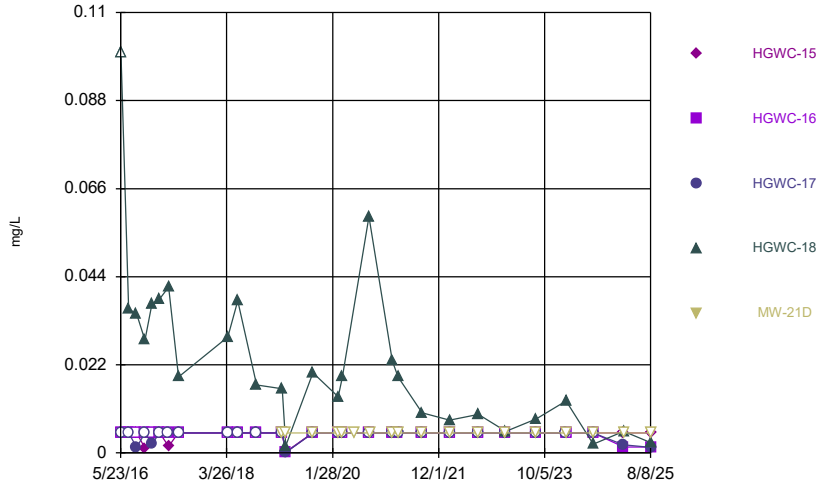
Time Series



Constituent: Selenium Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

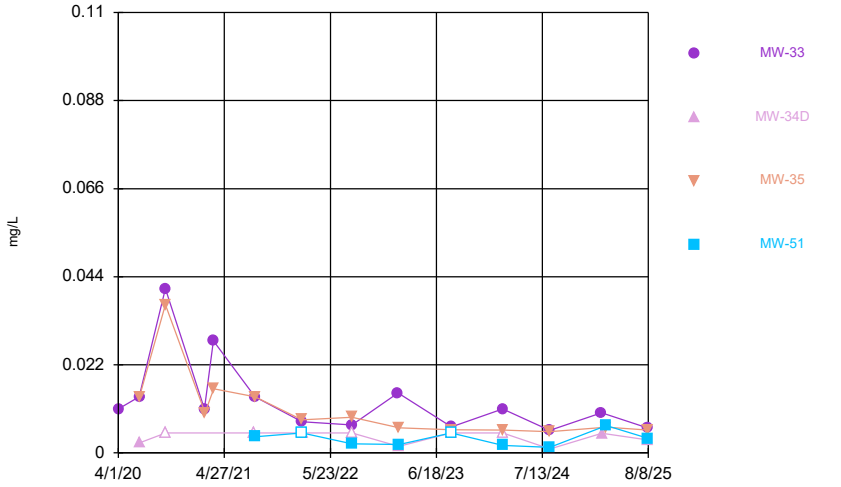
Time Series



Constituent: Selenium Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

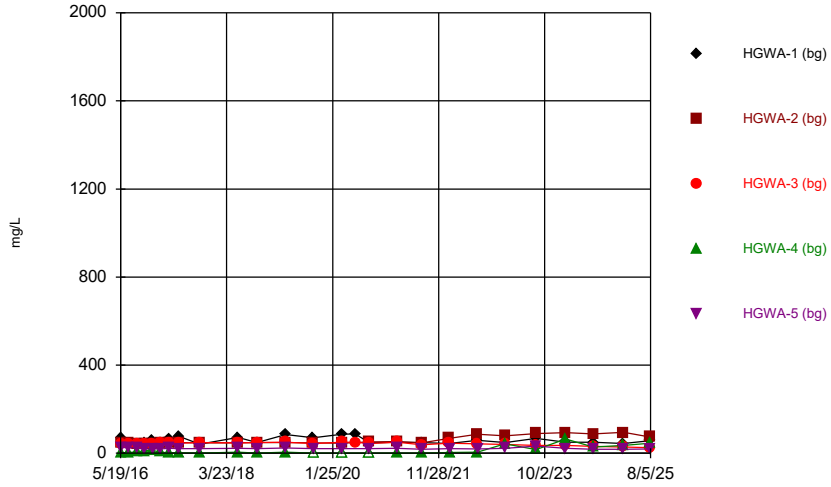
Time Series



Constituent: Selenium Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

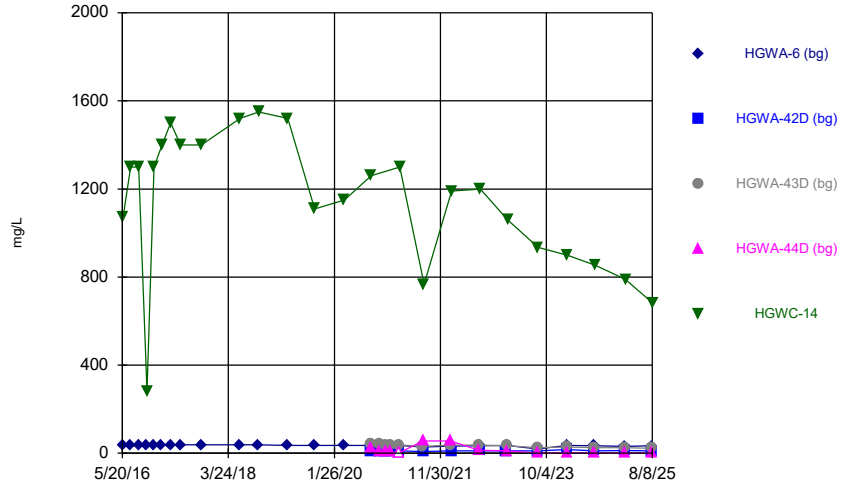
Time Series



Constituent: Sulfate Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

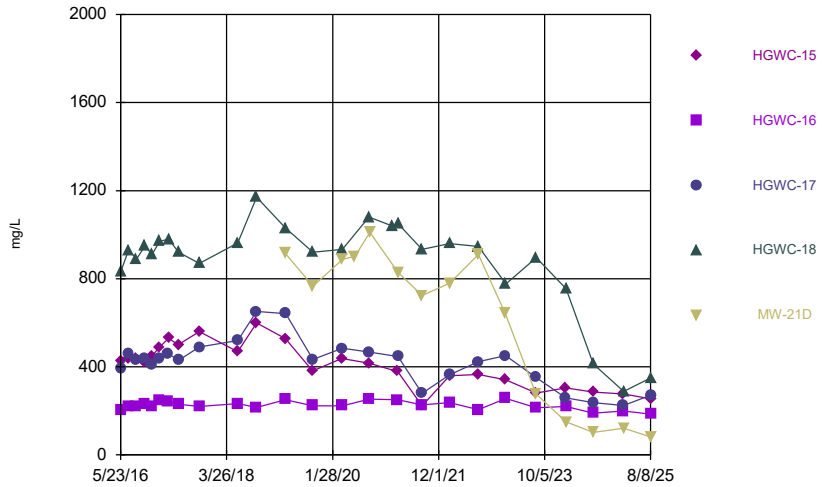
Time Series



Constituent: Sulfate Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

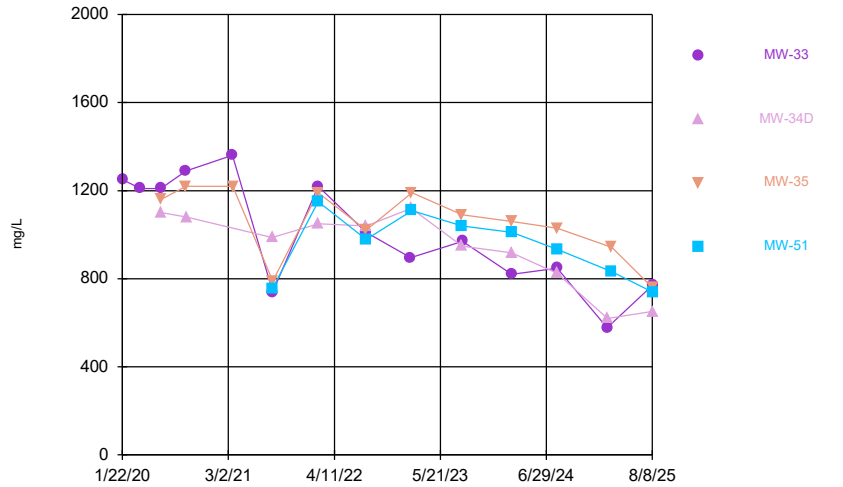
Time Series



Constituent: Sulfate Analysis Run 10/16/2025 3:57 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

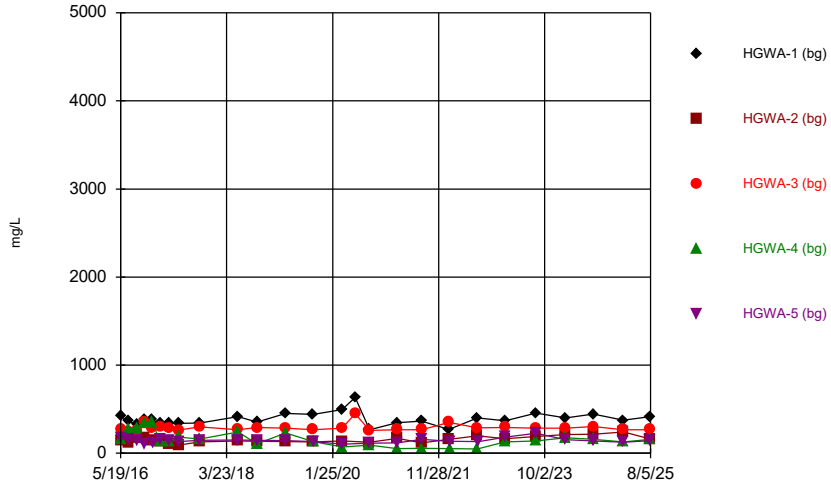
Time Series



Constituent: Sulfate Analysis Run 10/16/2025 3:58 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

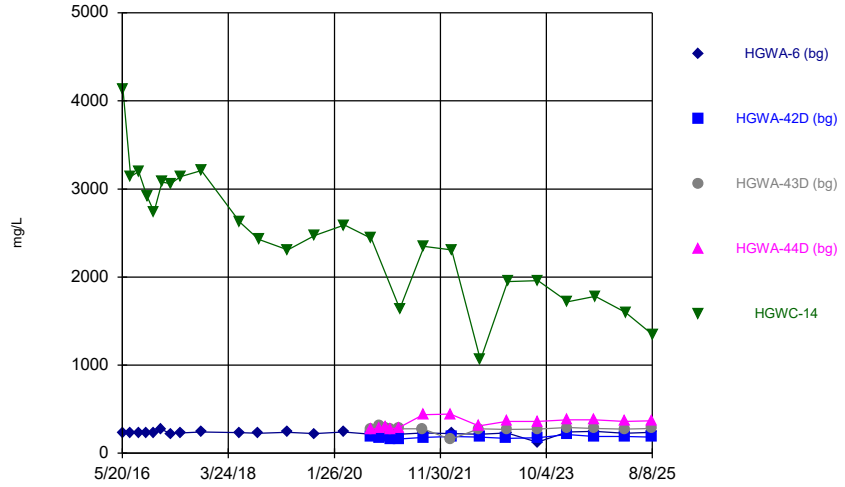


Constituent: TDS Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series



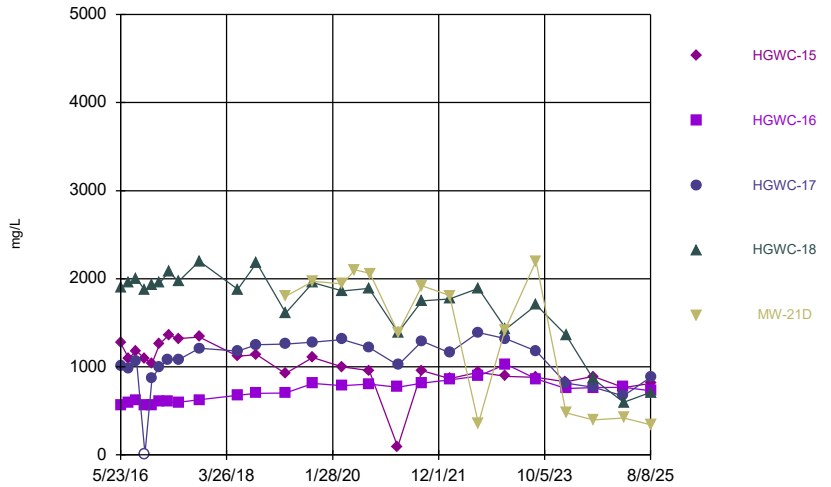
Constituent: TDS Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series

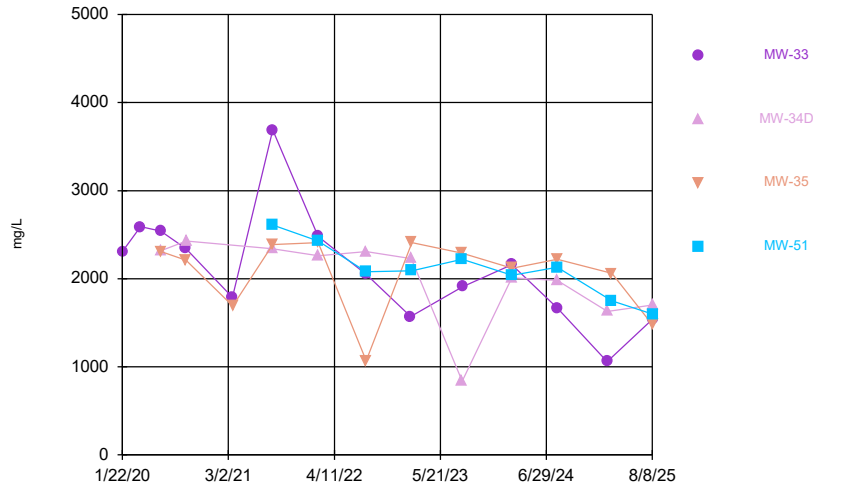


Constituent: TDS Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

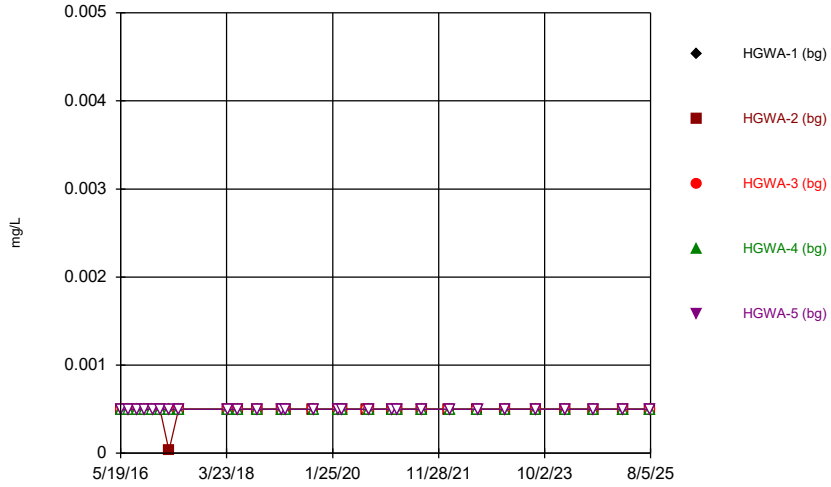


Constituent: TDS Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

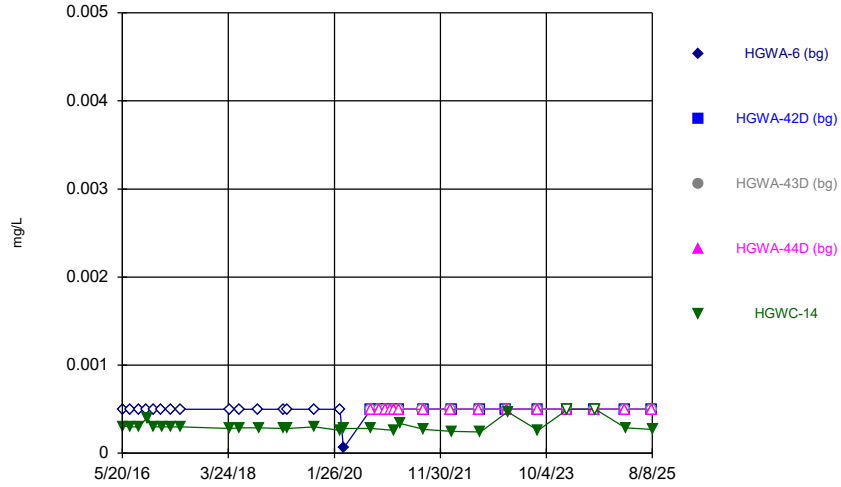
Time Series



Constituent: Thallium Analysis Run 10/16/2025 3:58 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

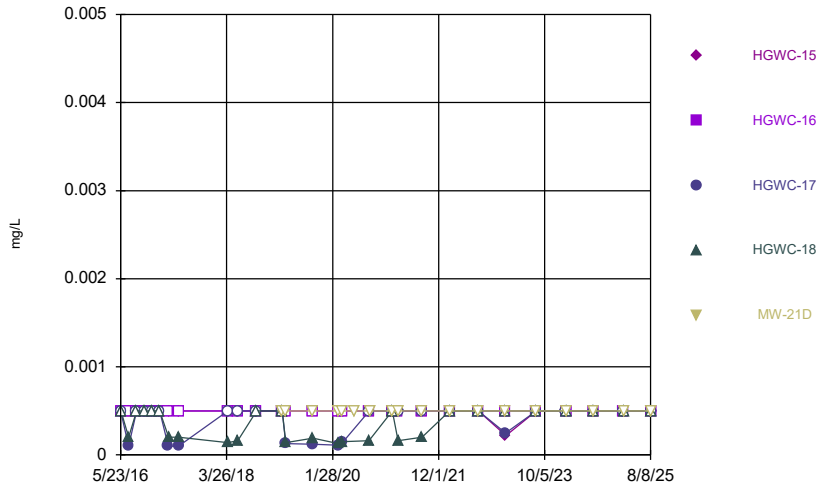
Time Series



Constituent: Thallium Analysis Run 10/16/2025 3:58 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

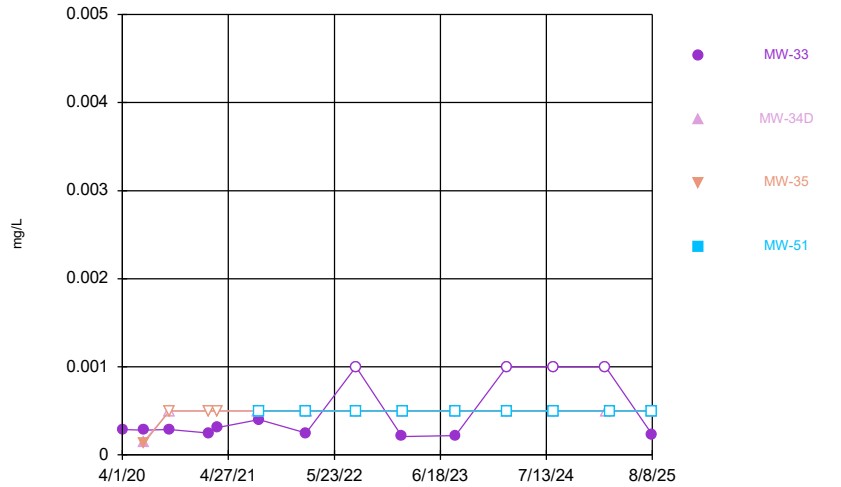
Time Series



Constituent: Thallium Analysis Run 10/16/2025 3:58 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Thallium Analysis Run 10/16/2025 3:58 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)
5/19/2016	<0.002	<0.002	<0.002	<0.002	<0.002
7/11/2016	<0.002	<0.002		<0.002	<0.002
7/12/2016			0.0003 (J)		
8/30/2016	<0.002	<0.002	<0.002	<0.002	<0.002
10/19/2016	0.0014 (J)	<0.002	<0.002	<0.002	
10/20/2016					0.0023 (J)
12/6/2016	<0.002	<0.002	<0.002	<0.002	
12/8/2016					<0.002
1/24/2017	<0.002	<0.002	<0.002	<0.002	<0.002
3/21/2017	<0.002	<0.002	<0.002	<0.002	<0.002
5/22/2017	<0.002	<0.002	<0.002		
5/23/2017				<0.002	<0.002
4/2/2018	<0.002	<0.002		<0.002	
4/3/2018			<0.002		<0.002
3/11/2019				<0.002	
3/12/2019	<0.002	<0.002	<0.002		<0.002
4/1/2019			<0.002		
4/2/2019	<0.002	<0.002			
9/23/2019	<0.002	<0.002	<0.002		
3/2/2020	<0.002	<0.002	<0.002	<0.002	<0.002
3/25/2020	<0.002	<0.002	<0.002		
8/25/2020		<0.002	<0.002		
8/28/2020	<0.002				
9/15/2020	<0.002	<0.002	<0.002		
2/8/2021	<0.002			<0.002	
2/9/2021		0.00062 (J)	0.00031 (J)		<0.002
3/10/2021	<0.002			<0.002	
3/11/2021		<0.002	<0.002		<0.002
8/11/2021	<0.002				
8/12/2021		<0.002	<0.002	<0.002	0.0014 (J)
2/1/2022	<0.002	<0.002	<0.002		
2/7/2022				<0.002	<0.002
8/2/2022	<0.002	<0.002	<0.002	<0.002	
8/10/2022					<0.002
1/23/2023			<0.002	<0.002	
1/24/2023	<0.002	<0.002			
1/27/2023					<0.002
8/8/2023	<0.002	<0.002	<0.002	<0.002	0.003
2/13/2024	<0.002	<0.002	<0.002	<0.002	<0.002
8/5/2024	<0.002	<0.002	<0.002		
8/6/2024				<0.002	<0.002
2/12/2025	<0.002		<0.002	<0.002	
2/14/2025		<0.002			<0.002
8/5/2025	<0.002	<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
5/20/2016	<0.002				
5/23/2016					<0.003
7/11/2016	0.001 (J)				
7/12/2016					0.0003 (J)
8/30/2016	<0.002				
9/1/2016					<0.003
10/20/2016	<0.002				
10/24/2016					<0.003
12/7/2016					<0.003
12/8/2016	<0.002				
1/24/2017	<0.002				
1/26/2017					<0.003
3/21/2017	<0.002				
3/23/2017					<0.003
5/23/2017	<0.002				
5/24/2017					<0.003
4/3/2018	<0.002				
4/4/2018					<0.003
3/12/2019	<0.002				
3/14/2019					<0.003
3/2/2020	<0.002				
3/3/2020					<0.003
9/16/2020			0.00051 (J)	0.00049 (J)	
9/17/2020		0.00055 (J)			
11/10/2020			0.00043 (J)	<0.002	
11/11/2020		<0.002			
12/15/2020		0.00035 (J)	0.00031 (J)	0.00047 (J)	
1/19/2021			0.00029 (J)	0.00067 (J)	
1/20/2021		<0.002			
2/8/2021		0.0019 (J)			
2/9/2021	<0.002		0.00037 (J)	0.00042 (J)	
2/11/2021					0.00043 (J)
3/10/2021		<0.002		0.00037 (J)	
3/11/2021	<0.002		0.00057 (J)		
3/17/2021					<0.003
8/11/2021			<0.002		
8/12/2021	<0.002	<0.002			
8/13/2021				<0.002	
8/18/2021					<0.003
2/1/2022			<0.002	0.0013 (J)	
2/7/2022	0.0014 (J)	<0.002			
2/9/2022					<0.003
8/2/2022			<0.002	<0.002	
8/9/2022		<0.002			
8/10/2022	<0.002				
8/11/2022					0.001 (J)
1/23/2023		0.0016 (J)			
1/24/2023			<0.002	<0.002	
1/27/2023	<0.002				
2/1/2023					<0.003
8/8/2023	0.0013 (J)	<0.002	<0.002	<0.002	
8/13/2023					0.0032

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
2/13/2024	<0.002	<0.002	<0.002	<0.002	
2/17/2024					<0.003
8/6/2024	<0.002	<0.002	<0.002	<0.002	
8/10/2024					<0.003
2/12/2025			<0.002	<0.002	
2/14/2025	<0.002	<0.002			
2/18/2025					<0.003
8/5/2025	<0.002	<0.002	<0.002	<0.002	
8/8/2025					0.00052 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
5/23/2016	<0.003	<0.002	<0.002		
5/24/2016				<0.002	
7/12/2016	<0.003	<0.002	<0.002	<0.002	
9/1/2016	<0.003	<0.002	<0.002	<0.002	
10/24/2016	<0.003				
10/25/2016		<0.002	<0.002	<0.002	
12/7/2016	<0.003	<0.002	<0.002		
12/8/2016				<0.002	
1/26/2017	<0.003	<0.002	<0.002	<0.002	
3/22/2017		<0.002	<0.002		
3/23/2017	<0.003			<0.002	
5/24/2017	<0.003	<0.002			
5/25/2017			<0.002	<0.002	
4/3/2018	<0.003	<0.002	<0.002	<0.002	
3/14/2019	<0.003			<0.002	
3/15/2019		<0.002	<0.002		<0.002
3/3/2020	<0.003	<0.002	<0.002	<0.002	<0.002
2/10/2021		<0.002			
2/11/2021			<0.002	<0.002	<0.002
2/12/2021	<0.003				
3/16/2021	<0.003				
3/17/2021		<0.002			
3/18/2021			<0.002	<0.002	<0.002
8/18/2021			<0.002		
8/19/2021	<0.003	<0.002		0.0008 (J)	<0.002
2/8/2022	0.002 (J)	<0.002	<0.002	<0.002	<0.002
8/10/2022		<0.002	<0.002	<0.002	
8/11/2022	0.0016 (J)				<0.002
1/27/2023					<0.002
1/30/2023			<0.002		
2/1/2023	0.0021 (J)	<0.002		<0.002	
8/12/2023					<0.002
8/13/2023	0.0027 (J)	<0.002	<0.002	<0.002	
2/17/2024	0.0014 (J)		<0.002		
2/18/2024		<0.002		<0.002	<0.002
8/8/2024	0.001 (J)		<0.002		
8/9/2024		<0.002		<0.002	<0.002
2/16/2025			<0.002		
2/17/2025	0.00056 (J)	<0.002			
2/18/2025				<0.002	<0.002
8/8/2025	0.00071 (J)	<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-51
2/12/2021	0.00046 (J)			
2/15/2021			0.00041 (J)	
3/18/2021	<0.002			
3/19/2021			<0.002	
8/16/2021		<0.002		
8/18/2021	<0.002		<0.002	<0.002
2/8/2022	<0.002		0.0029 (J)	<0.002
2/9/2022		<0.002		
8/10/2022	<0.002	<0.002		
8/11/2022			<0.002	<0.002
1/27/2023	<0.002			
1/30/2023		0.0018 (J)		
2/1/2023			<0.002	<0.002
8/12/2023		<0.002	<0.002	<0.002
8/13/2023	<0.002			
2/18/2024	<0.002	<0.002		
2/19/2024			<0.002	<0.002
8/9/2024	<0.002		<0.002	<0.002
8/10/2024		<0.002		
2/16/2025	<0.002			
2/18/2025		<0.002		
3/6/2025			<0.002	<0.002
8/8/2025	<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)
5/19/2016	<0.002	0.00127 (J)	<0.002	<0.002	<0.002
7/11/2016	<0.002	0.002 (J)		<0.002	<0.002
7/12/2016			0.0008 (J)		
8/30/2016	<0.002	0.0017 (J)	<0.002	<0.002	<0.002
10/19/2016	<0.002	<0.002	<0.002	<0.002	
10/20/2016					<0.002
12/6/2016	<0.002	<0.002	<0.002	<0.002	
12/8/2016					<0.002
1/24/2017	<0.002	<0.002	<0.002	<0.002	<0.002
3/21/2017	0.0005 (J)	<0.002	0.0007 (J)	<0.002	<0.002
5/22/2017	<0.002	0.0006 (J)	0.0006 (J)		
5/23/2017				<0.002	<0.002
4/2/2018	<0.002	<0.002		<0.002	
4/3/2018			<0.002		<0.002
6/4/2018	<0.002	0.00088 (J)	0.0008 (J)	<0.002	
6/5/2018					<0.002
10/1/2018	<0.002	<0.002	0.0011 (J)	<0.002	
10/2/2018					0.00064 (J)
3/11/2019				<0.002	
3/12/2019	<0.002	0.00069 (J)	0.00063 (J)		<0.002
4/1/2019			<0.002		
4/2/2019	<0.002	<0.002		<0.002	<0.002
9/23/2019	0.00046 (J)	0.00067 (J)	0.0011 (J)		
9/24/2019				<0.002	0.00055 (J)
3/2/2020	<0.002	0.00043 (J)	0.0004 (J)	<0.002	<0.002
3/25/2020	<0.002	<0.002	<0.002		
3/26/2020				<0.002	<0.002
8/25/2020		<0.002	<0.002		
8/28/2020	<0.002				
9/15/2020	<0.002	<0.002	<0.002	<0.002	<0.002
2/8/2021	<0.002			<0.002	
2/9/2021		<0.002	<0.002		<0.002
3/10/2021	<0.002			<0.002	
3/11/2021		<0.002	<0.002		<0.002
8/11/2021	<0.002				
8/12/2021		<0.002	<0.002	<0.002	<0.002
2/1/2022	0.0016 (J)	0.0023 (J)	0.0024 (J)		
2/7/2022				<0.002	<0.002
8/2/2022	<0.002	<0.002	<0.002	<0.002	
8/10/2022					<0.002
1/23/2023			<0.002	<0.002	
1/24/2023	<0.002	<0.002			
1/27/2023					<0.002
8/8/2023	<0.002	<0.002	<0.002	<0.002	<0.002
2/13/2024	<0.002	<0.002	<0.002	<0.002	<0.002
8/5/2024	<0.002	<0.002	<0.002		
8/6/2024				<0.002	<0.002
2/12/2025	<0.002		<0.002	<0.002	
2/14/2025		<0.002			<0.002
8/5/2025	<0.002	<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
5/20/2016	<0.002				
5/23/2016					0.00268 (J)
7/11/2016	<0.002				
7/12/2016					0.0059
8/30/2016	<0.002				
9/1/2016					0.0056
10/20/2016	<0.002				
10/24/2016					0.0058
12/7/2016					<0.002
12/8/2016	<0.002				
1/24/2017	<0.002				
1/26/2017					0.0089
3/21/2017	<0.002				
3/23/2017					0.0069
5/23/2017	<0.002				
5/24/2017					0.0048 (J)
4/3/2018	<0.002				
4/4/2018					0.0052
6/5/2018	<0.002				
6/6/2018					0.0059
10/2/2018	<0.002				
10/3/2018					0.0032 (J)
3/12/2019	<0.002				
3/14/2019					0.0029 (J)
4/2/2019	<0.002				
4/5/2019					<0.002
9/24/2019	<0.002				0.0039 (J)
3/2/2020	<0.002				
3/3/2020					0.0035 (J)
3/25/2020	<0.002				
3/30/2020					0.0051
9/15/2020	<0.002				
9/16/2020			<0.002	<0.002	
9/17/2020		<0.002			
9/18/2020					0.0029 (J)
11/10/2020			0.0021 (J)	<0.002	
11/11/2020		<0.002			
12/15/2020		<0.002	<0.002	<0.002	
1/19/2021			0.0011 (J)	<0.002	
1/20/2021		<0.002			
2/8/2021		<0.002			
2/9/2021	<0.002		0.0017 (J)	0.00083 (J)	
2/11/2021					0.0062
3/10/2021		<0.002		<0.002	
3/11/2021	<0.002		0.0013 (J)		
3/17/2021					<0.002
8/11/2021			0.0015 (J)		
8/12/2021	<0.002	<0.002			
8/13/2021				<0.002	
8/18/2021					0.0035 (J)
2/1/2022			0.0036 (J)	0.0025 (J)	
2/7/2022	<0.002	<0.002			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
2/9/2022					0.0077
8/2/2022			<0.002	<0.002	
8/9/2022		<0.002			
8/10/2022	<0.002				
8/11/2022					0.006
1/23/2023		<0.002			
1/24/2023			<0.002	0.0027 (J)	
1/27/2023	<0.002				
2/1/2023					0.004 (J)
8/8/2023	<0.002	<0.002	<0.002	<0.002	
8/13/2023					0.0048 (J)
2/13/2024	<0.002	<0.002	0.00097 (J)	0.0014 (J)	
2/17/2024					0.0026 (J)
8/6/2024	<0.002	<0.002	<0.002	<0.002	
8/10/2024					0.005 (J)
2/12/2025			<0.002	0.0014 (J)	
2/14/2025	<0.002	<0.002			
2/18/2025					0.0017 (J)
8/5/2025	<0.002	<0.002	<0.002	<0.002	
8/8/2025					<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
5/23/2016	<0.002	<0.002	<0.002		
5/24/2016				0.00294 (J)	
7/12/2016	<0.002	<0.002	<0.002	0.0074	
9/1/2016	<0.002	<0.002	<0.002	0.0073	
10/24/2016	<0.002				
10/25/2016		<0.002	<0.002	0.006	
12/7/2016	<0.002	<0.002	<0.002		
12/8/2016				0.007	
1/26/2017	<0.002	<0.002	<0.002	0.0068	
3/22/2017		0.0005 (J)	0.0007 (J)		
3/23/2017	0.0008 (J)			0.0082	
5/24/2017	<0.002	<0.002			
5/25/2017			0.0007 (J)	0.006	
4/3/2018	<0.002	<0.002	<0.002	0.0062	
6/5/2018				0.008	
6/6/2018	<0.002	<0.002	0.00097 (J)		
10/3/2018	<0.002	<0.002	<0.002	0.0039 (J)	
3/14/2019	<0.002			0.0036 (J)	
3/15/2019		<0.002	<0.002		<0.002
4/4/2019	0.00017 (J)	0.0001 (J)			0.00019 (J)
4/5/2019			<0.002	0.0015 (J)	
9/24/2019	0.00037 (J)				
9/25/2019		<0.002	<0.002	0.0044 (J)	<0.002
3/3/2020	<0.002	<0.002	<0.002	0.0057	<0.002
3/26/2020	<0.002				
3/30/2020		0.0011 (J)			
3/31/2020			0.0008 (J)	0.0056	
4/1/2020					0.0013 (J)
6/17/2020					<0.002
9/15/2020				0.0074	
9/16/2020			<0.002		
9/17/2020	<0.002	<0.002			
9/21/2020					<0.002
2/10/2021		0.0012 (J)			
2/11/2021			0.0012 (J)	0.0069	0.001 (J)
2/12/2021	<0.002				
3/16/2021	<0.002				
3/17/2021		<0.002			
3/18/2021			<0.002	0.0083 (J)	<0.002
8/18/2021			<0.002		
8/19/2021	<0.002	<0.002		0.0045 (J)	<0.002
2/8/2022	<0.002	<0.002	0.0017 (J)	0.005 (J)	<0.002
8/10/2022		<0.002	<0.002	0.0058	
8/11/2022	<0.002				0.003 (J)
1/27/2023					<0.002
1/30/2023			0.0028 (J)		
2/1/2023	<0.002	<0.002		0.0036 (J)	
8/12/2023					<0.002
8/13/2023	<0.002	<0.002	<0.002	0.0059 (J)	
2/17/2024	<0.002		<0.002		
2/18/2024		<0.002		0.0027 (J)	<0.002
8/8/2024	<0.002		<0.002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
8/9/2024		<0.002		0.00092 (J)	<0.002
2/16/2025			<0.002		
2/17/2025	<0.002	<0.002			
2/18/2025				<0.002	<0.002
8/8/2025	<0.002	<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-51
4/1/2020	0.0061			
6/17/2020	0.0031 (J)			
6/18/2020		0.0032 (J)	0.005 (J)	
9/21/2020	0.0083		0.0059	
9/23/2020		0.001 (J)		
2/12/2021	0.0059			
2/15/2021			0.005	
3/18/2021	0.0054 (J)			
3/19/2021			<0.002	
8/16/2021		0.0024 (J)		
8/18/2021	0.0058		0.0043 (J)	0.002 (J)
2/8/2022	0.0069		0.0072	0.0046 (J)
2/9/2022		0.0054		
8/10/2022	<0.025	0.0045 (J)		
8/11/2022			<0.002	0.0043 (J)
1/27/2023	0.0031 (J)			
1/30/2023		0.0047 (J)		
2/1/2023			0.006	0.0041 (J)
8/12/2023		<0.002	0.0045 (J)	<0.002
8/13/2023	0.0059 (J)			
2/18/2024	0.0024 (J)	0.00099 (J)		
2/19/2024			0.0073	0.0067
8/9/2024	0.0041 (J)		0.0059	0.0042 (J)
8/10/2024		0.0045 (J)		
2/16/2025	0.0021 (J)			
2/18/2025		<0.002		
3/6/2025			<0.002	<0.002
8/8/2025	0.0013 (J)	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)
5/19/2016	0.0346	0.114	0.111	0.0266	0.0519
7/11/2016	0.0311	0.112		0.0309	0.0565
7/12/2016			0.115		
8/30/2016	0.0293	0.131	0.113	0.031	0.0548
10/19/2016	0.0293	0.111	0.123	0.0332	
10/20/2016					0.0539
12/6/2016	0.0304	0.108	0.127	0.0334	
12/8/2016					0.0496
1/24/2017	0.028	0.102	0.126	0.0192	0.0478
3/21/2017	0.0275	0.095	0.12	0.0175	0.0453
5/22/2017	0.0281	0.103	0.117		
5/23/2017				0.0227	0.0496
4/2/2018	0.026	0.099		0.022	
4/3/2018			0.11		0.038
6/4/2018	0.035	0.11	0.12	0.027	
6/5/2018					0.046
10/1/2018	0.029	0.11	0.14	0.018	
10/2/2018					0.047
3/11/2019				0.029	
3/12/2019	0.042	0.12	0.13		0.05
4/1/2019			0.13		
4/2/2019	0.04	0.13		0.03	0.044
9/23/2019	0.042	0.13	0.13		
9/24/2019				0.03	0.053
3/2/2020	0.034	0.11	0.14	0.023	0.053
3/25/2020	0.043	0.12	0.13		
3/26/2020				0.026	0.045
8/25/2020		0.11	0.11		
8/28/2020	0.036				
9/15/2020	0.035	0.12	0.12	0.024	0.045
2/8/2021	0.032			0.04	
2/9/2021		0.12	0.13		0.046
3/10/2021	0.03			0.036	
3/11/2021		0.07	0.13		0.044
8/11/2021	0.03				
8/12/2021		0.12	0.11	0.034	0.044
2/1/2022	0.031	0.13	0.12		
2/7/2022				0.028	0.038
8/2/2022	0.039	0.11	0.16	0.041	
8/10/2022					0.053
1/23/2023			0.13	0.057	
1/24/2023	0.033	0.088			
1/27/2023					0.044
8/8/2023	0.039	0.068	0.12	0.039	0.18
2/13/2024	0.039	0.062	0.13	0.054	0.048
8/5/2024	0.032	0.062	0.13		
8/6/2024				0.044	0.046
2/12/2025	0.034		0.13	0.061	
2/14/2025		0.057			0.049
8/5/2025	0.033	0.053	0.11	0.06	0.044

Time Series

Constituent: Barium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
5/20/2016	0.174				
5/23/2016					<0.25
7/11/2016	0.134				
7/12/2016					0.0214
8/30/2016	0.212				
9/1/2016					0.0208
10/20/2016	0.157				
10/24/2016					0.0208
12/7/2016					0.022
12/8/2016	0.162				
1/24/2017	0.168				
1/26/2017					0.0238
3/21/2017	0.186				
3/23/2017					0.0244
5/23/2017	0.187				
5/24/2017					0.0228
4/3/2018	0.14				
4/4/2018					0.021
6/5/2018	0.21				
6/6/2018					0.022
10/2/2018	0.19				
10/3/2018					0.02
3/12/2019	0.2				
3/14/2019					0.019
4/2/2019	0.19				
4/5/2019					0.016
9/24/2019	0.22				0.021
3/2/2020	0.19				
3/3/2020					0.018
3/25/2020	0.19				
3/30/2020					0.02
9/15/2020	0.19				
9/16/2020			0.26	0.24	
9/17/2020		0.13			
9/18/2020					0.019
11/10/2020			0.25	0.38	
11/11/2020		0.18			
12/15/2020		0.19	0.29	0.39	
1/19/2021			0.32	0.41	
1/20/2021		0.2			
2/8/2021		0.19			
2/9/2021	0.21		0.34	0.46	
2/11/2021					0.02
3/10/2021		0.18		0.26	
3/11/2021	0.21		0.31 (D)		
3/17/2021					0.023
8/11/2021			0.28		
8/12/2021	0.18	0.18			
8/13/2021				0.22	
8/18/2021					0.018
2/1/2022			0.29	0.23	
2/7/2022	0.18	0.18			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
2/9/2022					0.017
8/2/2022			0.35	0.37	
8/9/2022		0.2			
8/10/2022	0.18				
8/11/2022					0.017
1/23/2023		0.21			
1/24/2023			0.28	0.18	
1/27/2023	0.2				
2/1/2023					0.017
8/8/2023	0.048	0.21	0.3	0.12	
8/13/2023					0.016
2/13/2024	0.19	0.23	0.28	0.12	
2/17/2024					0.02
8/6/2024	0.046	0.065	0.28	0.11	
8/10/2024					0.015
2/12/2025			0.3	0.095	
2/14/2025	0.19	0.23			
2/18/2025					0.016
8/5/2025	0.18	0.19	0.27	0.092	
8/8/2025					0.017

Time Series

Constituent: Barium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
5/23/2016	0.0315 (J)	0.0841	0.0222 (J)		
5/24/2016				<0.2	
7/12/2016	0.0372	0.0886	0.0221	0.0346	
9/1/2016	0.0364	0.0934	0.0227	0.0336	
10/24/2016	0.0326				
10/25/2016		0.0991	0.0225	0.0349	
12/7/2016	0.0301	0.101	0.0227		
12/8/2016				0.0339	
1/26/2017	0.0287	0.105	0.0229	0.0293	
3/22/2017		0.11	0.0248		
3/23/2017	0.0329			0.0313	
5/24/2017	0.0283	0.106			
5/25/2017			0.0255	0.0336	
4/3/2018	0.019	0.099	0.025	0.028	
6/5/2018				0.03	
6/6/2018	0.022	0.11	0.028		
10/3/2018	0.025	0.11	0.028	0.032	
3/14/2019	0.021			0.029	
3/15/2019		0.13	0.029		0.09
4/4/2019	0.018	0.11			0.075
4/5/2019			0.022	0.021	
9/24/2019	0.019				
9/25/2019		0.11	0.025	0.03	0.066
3/3/2020	0.018	0.12	0.026	0.026	0.058
3/26/2020	0.016				
3/30/2020		0.11			
3/31/2020			0.029	0.029	
4/1/2020					0.066
6/17/2020					0.054
9/15/2020				0.03	
9/16/2020			0.025		
9/17/2020	0.017	0.11			
9/21/2020					0.049
2/10/2021		0.11			
2/11/2021			0.025	0.03	0.044
2/12/2021	0.014				
3/16/2021	0.012				
3/17/2021		0.12			
3/18/2021			0.027	0.031	0.047
8/18/2021			0.022		
8/19/2021	0.01	0.1		0.031	0.042
2/8/2022	0.0098	0.1	0.021	0.02	0.033
8/10/2022		0.1	0.027	0.026	
8/11/2022	0.015				0.037
1/27/2023					0.031
1/30/2023			0.03		
2/1/2023	0.021	0.11		0.019	
8/12/2023					0.033
8/13/2023	0.011	0.099	0.025	0.026	
2/17/2024	0.017		0.023		
2/18/2024		0.098		0.02	0.034
8/8/2024	0.0094		0.023		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
8/9/2024		0.086		0.021	0.035
2/16/2025			0.03		
2/17/2025	0.017	0.098			
2/18/2025				0.016	0.045
8/8/2025	0.012	0.087	0.027	0.017	0.04

Time Series

Constituent: Barium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-51
4/1/2020	0.027			
6/17/2020	0.024			
6/18/2020		0.044	0.029	
9/21/2020	0.024		0.028	
9/23/2020		0.038		
2/12/2021	0.025			
2/15/2021			0.026	
3/18/2021	0.029			
3/19/2021			0.032	
8/16/2021		0.035		
8/18/2021	0.025		0.025	0.032
2/8/2022	0.02		0.023	0.046
2/9/2022		0.04		
8/10/2022	0.02 (J)	0.046		
8/11/2022			0.022 (J)	0.028
1/27/2023	0.018			
1/30/2023		0.04		
2/1/2023			0.022	0.033
8/12/2023		0.033	0.021	0.026
8/13/2023	0.023			
2/18/2024	0.016	0.033		
2/19/2024			0.021	0.028
8/9/2024	0.027		0.021	0.026
8/10/2024		0.032		
2/16/2025	0.016			
2/18/2025		0.03		
3/6/2025			0.024	0.024
8/8/2025	0.017	0.024	0.025	0.02

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)
5/19/2016	<0.0004	<0.003	<0.0004	<0.0004	<0.0004
7/11/2016	<0.0004	0.0001 (J)		<0.0004	<0.0004
7/12/2016			<0.0004		
8/30/2016	<0.0004	<0.003	<0.0004	<0.0004	<0.0004
10/19/2016	<0.0004	0.0001 (J)	<0.0004	<0.0004	
10/20/2016					<0.0004
12/6/2016	<0.0004	0.0002 (J)	<0.0004	<0.0004	
12/8/2016					<0.0004
1/24/2017	<0.0004	0.0001 (J)	<0.0004	<0.0004	<0.0004
3/21/2017	<0.0004	0.0001 (J)	<0.0004	<0.0004	<0.0004
5/22/2017	<0.0004	0.0001 (J)	<0.0004		
5/23/2017				<0.0004	<0.0004
4/2/2018	<0.0004	<0.003		<0.0004	
4/3/2018			<0.0004		<0.0004
3/11/2019				5E-05 (J)	
3/12/2019	<0.0004	0.00017 (J)	<0.0004		<0.0004
4/1/2019			<0.0004		
4/2/2019	<0.0004	0.00015 (J)		<0.0004	<0.0004
9/23/2019	<0.0004	0.00011 (J)	<0.0004		
9/24/2019				<0.0004	<0.0004
3/2/2020	<0.0004	0.00014 (J)	<0.0004	0.00019 (J)	<0.0004
3/25/2020	<0.0004	0.00016 (J)	<0.0004		
3/26/2020				7.6E-05 (J)	<0.0004
8/25/2020		0.00014 (J)	<0.0004		
8/28/2020	<0.0004				
9/15/2020	<0.0004	0.00013 (J)	<0.0004	<0.0004	<0.0004
2/8/2021	<0.0004			0.00023 (J)	
2/9/2021		0.00014 (J)	<0.0004		<0.0004
3/10/2021	<0.0004			0.00017 (J)	
3/11/2021		8.6E-05 (J)	<0.0004		<0.0004
8/11/2021	<0.0004				
8/12/2021		0.00014 (J)	<0.0004	0.00021 (J)	<0.0004
2/1/2022	<0.0004	0.0002 (J)	<0.0004		
2/7/2022				0.00017 (J)	<0.0004
8/2/2022	<0.0004	0.00019 (J)	<0.0004	0.00019 (J)	
8/10/2022					<0.0004
1/23/2023			<0.0004	0.0001 (J)	
1/24/2023	<0.0004	0.00016 (J)			
1/27/2023					<0.0004
8/8/2023	<0.0004	0.00022 (J)	<0.0004	6.7E-05 (J)	<0.0004
2/13/2024	<0.0004	0.00022 (J)	<0.0004	<0.0004	<0.0004
8/5/2024	<0.0004	0.00026 (J)	<0.0004		
8/6/2024				<0.0004	<0.0004
2/12/2025	<0.0004		<0.0004	0.00018 (J)	
2/14/2025		0.00023 (J)			<0.0004
8/5/2025	<0.0004	0.00026 (J)	<0.0004	<0.0004	<0.0004

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
5/20/2016	<0.0004				
5/23/2016					<0.003
7/11/2016	<0.0004				
7/12/2016					0.0005 (J)
8/30/2016	<0.0004				
9/1/2016					0.0005 (J)
10/20/2016	<0.0004				
10/24/2016					0.0005 (J)
12/7/2016					0.0006 (J)
12/8/2016	<0.0004				
1/24/2017	<0.0004				
1/26/2017					0.0005 (J)
3/21/2017	<0.0004				
3/23/2017					0.0006 (J)
5/23/2017	<0.0004				
5/24/2017					0.0005 (J)
4/3/2018	<0.0004				
4/4/2018					<0.003
3/12/2019	<0.0004				
3/14/2019					0.00043 (J)
4/2/2019	<0.0004				
4/5/2019					0.00027 (J)
9/24/2019	<0.0004				0.00044 (J)
3/2/2020	<0.0004				
3/3/2020					0.00043 (J)
3/25/2020	<0.0004				
3/30/2020					0.00043 (J)
9/15/2020	<0.0004				
9/16/2020			<0.0004	<0.0004	
9/17/2020		<0.0004			
9/18/2020					0.00043 (J)
11/10/2020			<0.0004	<0.0004	
11/11/2020		<0.0004			
12/15/2020		<0.0004	<0.0004	<0.0004	
1/19/2021			<0.0004	<0.0004	
1/20/2021		<0.0004			
2/8/2021		<0.0004			
2/9/2021	<0.0004		<0.0004	<0.0004	
2/11/2021					0.00044 (J)
3/10/2021		<0.0004		<0.0004	
3/11/2021	<0.0004		<0.0004		
3/17/2021					0.00058
8/11/2021			<0.0004		
8/12/2021	<0.0004	<0.0004			
8/13/2021				<0.0004	
8/18/2021					0.00039 (J)
2/1/2022			<0.0004	<0.0004	
2/7/2022	<0.0004	<0.0004			
2/9/2022					0.00056
8/2/2022			<0.0004	<0.0004	
8/9/2022		<0.0004			
8/10/2022	<0.0004				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
8/11/2022					0.00039 (J)
1/23/2023		<0.0004			
1/24/2023			<0.0004	<0.0004	
1/27/2023	<0.0004				
2/1/2023					0.00039 (J)
8/8/2023	<0.0004	<0.0004	<0.0004	<0.0004	
8/13/2023					0.0004 (J)
2/13/2024	<0.0004	<0.0004	<0.0004	<0.0004	
2/17/2024					0.00044 (J)
8/6/2024	<0.0004	<0.0004	<0.0004	<0.0004	
8/10/2024					0.00047 (J)
2/12/2025			<0.0004	<0.0004	
2/14/2025	<0.0004	<0.0004			
2/18/2025					0.00038 (J)
8/5/2025	<0.0004	<0.0004	<0.0004	<0.0004	
8/8/2025					0.00039 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
5/23/2016	<0.0004	<0.0004	<0.0004		
5/24/2016				0.00278 (J)	
7/12/2016	<0.0004	<0.0004	<0.0004	0.0032	
9/1/2016	<0.0004	<0.0004	<0.0004	0.0034	
10/24/2016	<0.0004				
10/25/2016		<0.0004	<0.0004	0.0034	
12/7/2016	<0.0004	<0.0004	<0.0004		
12/8/2016				0.0033	
1/26/2017	<0.0004	<0.0004	<0.0004	0.0034	
3/22/2017		<0.0004	<0.0004		
3/23/2017	<0.0004			0.0036	
5/24/2017	<0.0004	<0.0004			
5/25/2017			<0.0004	0.0036	
4/3/2018	<0.0004	<0.0004	<0.0004	<0.003	
3/14/2019	<0.0004			0.0026 (J)	
3/15/2019		<0.0004	<0.0004		<0.0004
4/4/2019	<0.0004	<0.0004			<0.0004
4/5/2019			<0.0004	0.0022 (J)	
9/24/2019	<0.0004				
9/25/2019		<0.0004	<0.0004	0.0031	<0.0004
3/3/2020	<0.0004	<0.0004	<0.0004	0.0029 (J)	<0.0004
3/26/2020	<0.0004				
3/30/2020		<0.0004			
3/31/2020			<0.0004	0.003	
4/1/2020					<0.0004
6/17/2020					<0.0004
9/15/2020				0.0033	
9/16/2020			<0.0004		
9/17/2020	<0.0004	<0.0004			
9/21/2020					<0.0004
2/10/2021		<0.0004			
2/11/2021			6.7E-05 (J)	0.0036	<0.0004
2/12/2021	<0.0004				
3/16/2021	<0.0004				
3/17/2021		<0.0004			
3/18/2021			4.8E-05 (J)	0.0038	<0.0004
8/18/2021			<0.0004		
8/19/2021	<0.0004	<0.0004		0.0034	<0.0004
2/8/2022	<0.0004	<0.0004	<0.0004	0.0026	<0.0004
8/10/2022		<0.0004	6E-05 (J)	0.0032	
8/11/2022	<0.0004				<0.0004
1/27/2023					<0.0004
1/30/2023			5.7E-05 (J)		
2/1/2023	<0.0004	<0.0004		0.002	
8/12/2023					<0.0004
8/13/2023	<0.0004	<0.0004	0.0001 (J)	0.003	
2/17/2024	<0.0004		<0.0004		
2/18/2024		<0.0004		0.0022	<0.0004
8/8/2024	<0.0004		<0.0004		
8/9/2024		<0.0004		0.0021	<0.0004
2/16/2025			<0.0004		
2/17/2025	<0.0004	<0.0004			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
2/18/2025				0.0015	<0.0004
8/8/2025	<0.0004	<0.0004	<0.0004	0.0017	<0.0004

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-51
4/1/2020	0.0011 (J)			
6/17/2020	0.00099 (J)			
6/18/2020		0.00015 (J)	0.00032 (J)	
9/21/2020	0.0009 (J)		0.0004 (J)	
9/23/2020		<0.0004		
2/12/2021	0.001 (J)			
2/15/2021			0.0006 (J)	
3/18/2021	0.0011			
3/19/2021			0.00061	
8/16/2021		<0.0004		
8/18/2021	0.00097		0.00061	0.00042 (J)
2/8/2022	0.00087 (J)		0.0007 (J)	0.00011 (J)
2/9/2022		6.5E-05 (J)		
8/10/2022	0.0008	<0.0004		
8/11/2022			0.00066 (J)	0.00028 (J)
1/27/2023	0.00019 (J)			
1/30/2023		<0.0004		
2/1/2023			0.00049 (J)	0.00028 (J)
8/12/2023		<0.0004	0.00041 (J)	0.00012 (J)
8/13/2023	0.00099			
2/18/2024	0.00059	<0.0004		
2/19/2024			0.00064	0.00047 (J)
8/9/2024	0.00084		0.00053	0.00028 (J)
8/10/2024		<0.0004		
2/16/2025	0.00048 (J)			
2/18/2025		<0.0004		
3/6/2025			0.00033 (J)	0.00041 (J)
8/8/2025	0.00063	<0.0004	0.0002 (J)	0.00033 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)
5/19/2016	0.0214 (J)	0.0321 (J)	<0.04	<0.1	<0.04
7/11/2016	0.0142 (J)	0.0337 (J)		0.0175 (J)	0.0052 (J)
7/12/2016			0.0074 (J)		
8/30/2016	0.0074 (J)	0.0173 (J)	<0.04	0.0072 (J)	0.0068 (J)
10/19/2016	0.0224 (J)	0.0341 (J)	0.0085 (J)	0.018 (J)	
10/20/2016					0.0135 (J)
12/6/2016	0.0211 (J)	0.0326 (J)	0.0085 (J)	0.0158 (J)	
12/8/2016					0.0083 (J)
1/24/2017	0.0165 (J)	0.0365 (J)	0.01 (J)	0.0145 (J)	0.0072 (J)
3/21/2017	0.0187 (J)	0.0349 (J)	0.0079 (J)	0.0101 (J)	<0.04
5/22/2017	0.0782	0.0475	0.0131 (J)		
5/23/2017				0.0159 (J)	0.0095 (J)
10/3/2017	0.0198 (J)	0.0386 (J)	0.0097 (J)	0.0162 (J)	0.0071 (J)
6/4/2018	0.02 (J)	0.036 (J)	0.017 (J)	0.014 (J)	
6/5/2018					0.0066 (J)
10/1/2018	0.013 (J)	0.035 (J)	0.0061 (J)	0.0093 (J)	
10/2/2018					0.0081 (J)
4/1/2019			0.0066 (J)		
4/2/2019	0.016 (J)	0.034 (J)		0.01 (J)	0.0052 (J)
9/23/2019	0.021 (J)	0.04 (J)	0.0081 (J)		
9/24/2019				0.013 (J)	0.0088 (J)
3/25/2020	0.025 (J)	0.039 (J)	0.0096 (J)		
3/26/2020				0.012 (J)	0.0072 (J)
6/16/2020	0.021 (J)		0.01 (J)		
9/15/2020	0.017 (J)	0.044 (J)	0.0071 (J)	0.013 (J)	0.012 (J)
3/10/2021	0.015 (J)			0.012 (J)	
3/11/2021		0.056	0.015 (J)		0.0075 (J)
8/11/2021	0.02 (J)				
8/12/2021		0.044	<0.04	0.014 (J)	0.0092 (J)
2/1/2022	0.016 (J)	0.056	0.011 (J)		
2/7/2022				0.017 (J)	<0.04
8/2/2022	0.012 (J)	0.047	<0.04	0.02 (J)	
8/10/2022					0.011 (J)
1/23/2023			0.012 (J)	0.023 (J)	
1/24/2023	0.015 (J)	0.046			
1/27/2023					<0.04
8/8/2023	0.023 (J)	0.06	0.011 (J)	0.029 (J)	0.025 (J)
2/13/2024	0.02 (J)	0.051	<0.04	0.023 (J)	<0.04
8/5/2024	0.02 (J)	0.057	<0.04		
8/6/2024				0.015 (J)	0.024 (J)
2/12/2025	0.021 (J)		0.011 (J)	0.023 (J)	
2/14/2025		0.053			0.015 (J)
8/5/2025	0.019 (J)	0.044	0.009 (J)	0.041	0.014 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
5/20/2016	0.0363 (J)				
5/23/2016					15.4
7/11/2016	0.0179 (J)				
7/12/2016					16
8/30/2016	0.014 (J)				
9/1/2016					12.3
10/20/2016	0.0197 (J)				
10/24/2016					13.7
12/7/2016					16.5
12/8/2016	0.0159 (J)				
1/24/2017	<0.2				
1/26/2017					19.2
3/21/2017	0.0166 (J)				
3/23/2017					23.1
5/23/2017	0.0167 (J)				
5/24/2017					25.8
10/3/2017	0.017 (J)				
10/4/2017					20.5
6/5/2018	0.016 (J)				
6/6/2018					16.7
10/2/2018	0.014 (J)				
10/3/2018					16.4
4/2/2019	0.013 (J)				
4/5/2019					12.5
9/24/2019	0.016 (J)				14.7
3/25/2020	0.021 (J)				
3/30/2020					11.7
9/15/2020	0.016 (J)				
9/16/2020			0.061 (J)	0.23	
9/17/2020		0.098 (J)			
9/18/2020					11
11/10/2020			0.057 (J)	0.29	
11/11/2020		0.058 (J)			
12/15/2020		0.043 (J)	0.052 (J)	0.31	
1/19/2021			0.049 (J)	0.4	
1/20/2021		0.045 (J)			
3/10/2021		0.048		0.39	
3/11/2021	0.018 (J)		0.06		
3/17/2021					11.8
8/11/2021			0.042		
8/12/2021	0.014 (J)	0.044			
8/13/2021				0.31	
8/18/2021					8.6
2/1/2022			0.05	0.44	
2/7/2022	0.019 (J)	0.047			
2/9/2022					9.9
8/2/2022			0.043	0.31	
8/9/2022		0.055			
8/10/2022	0.015 (J)				
8/11/2022					8.8
1/23/2023		0.052			
1/24/2023			0.037 (J)	0.44	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
1/27/2023	0.013 (J)				
2/1/2023					7.7
8/8/2023	0.017 (J)	0.048	0.038 (J)	0.55	
8/13/2023					6.9
2/13/2024	0.015 (J)	0.045	0.037 (J)	0.49	
2/17/2024					7.3
8/6/2024	1.6 (O)	1 (O)	0.043	0.52	
8/10/2024					6.7
2/12/2025			0.04 (J)	0.54	
2/14/2025	0.02 (J)	0.059			
2/18/2025					6.2
8/5/2025	0.017 (J)	0.05	0.039 (J)	0.45	
8/8/2025					6.3

Time Series

Constituent: Boron (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
5/23/2016	2.02	1.36	5.7		
5/24/2016				9.33	
7/12/2016	1.65	1.62	9.58	11.9	
9/1/2016	1.93	1.31	5.76	8.8	
10/24/2016	1.93				
10/25/2016		1.27	5.38	8.5	
12/7/2016	2.23	1.42	5.74		
12/8/2016				7.15	
1/26/2017	2.31	1.19	5.78	9.17	
3/22/2017		1.32	5.52		
3/23/2017	2.72			10.6	
5/24/2017	2.26	1.67			
5/25/2017			8.58	13.2	
10/4/2017	2	1.43	6.8	10	
6/5/2018				8.4	
6/6/2018	2.4	1.9	6.3		
10/3/2018	2.4	1.7	6.9	9.3	
4/4/2019	2.3	2.1			5.2
4/5/2019			5.9	6.4	
9/24/2019	2.9				
9/25/2019		2.7	8.1	11.7	6.4
3/26/2020	2.1				
3/30/2020		2.4			
3/31/2020			6.9	9.4	
4/1/2020					6.3
6/17/2020					5.8
9/15/2020				9.4	
9/16/2020			6.7		
9/17/2020	2.2	2.4			
9/21/2020					5.6
3/16/2021	2.4				
3/17/2021		2.7			
3/18/2021			6.8	8.9	5.7
8/18/2021			5.3		
8/19/2021	2.1	2.5		8.6	5.4
2/8/2022	1.9	2.6	7.8	8.1	5.9
8/10/2022		2.2	6.9	8.4	
8/11/2022	2.1				5
1/27/2023					3.6
1/30/2023			6.8		
2/1/2023	2	2.8		5.9	
8/12/2023					2.8
8/13/2023	1.6	2.2	6.2	7.7	
2/17/2024	1.8		5.7		
2/18/2024		2.3		7	2.3
8/8/2024	1.5		5.7		
8/9/2024		1.9		4.2	2
2/16/2025			5.3		
2/17/2025	1.6	1.9			
2/18/2025				2.4	1.7
8/8/2025	1.6	2.2	6.1	4	1.7

Time Series

Constituent: Boron (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-51
1/22/2020	11.2			
4/1/2020	11.6			
6/17/2020	10.3			
6/18/2020		9.4	11.9	
9/21/2020	9		12.3	
9/23/2020		10.2		
3/18/2021	10.2			
3/19/2021			11.9	
8/16/2021		8.2		
8/18/2021	9.1		11.2	9.7
2/8/2022	8.4		10.8	10.5
2/9/2022		9.6		
8/10/2022	8	10.2		
8/11/2022			9.6	8.2
1/27/2023	4.6			
1/30/2023		8		
2/1/2023			8.7	8.3
8/12/2023		7.2	8.4	7.4
8/13/2023	6.6			
2/18/2024	5.4	8.1		
2/19/2024			8.4	7.9
8/9/2024	6.1		9.5	8.1
8/10/2024		7.8		
2/16/2025	4.6			
2/18/2025		5.7		
3/6/2025			9.4	8.7
8/8/2025	7	6.8	7.4	7.3

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)
5/19/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
7/11/2016	<0.0005	<0.0005		<0.0005	<0.0005
7/12/2016			<0.0005		
8/30/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
10/19/2016	<0.0005	<0.0005	<0.0005	<0.0005	
10/20/2016					<0.0005
12/6/2016	<0.0005	<0.0005	<0.0005	<0.0005	
12/8/2016					<0.0005
1/24/2017	<0.0005	0.0001 (J)	<0.0005	<0.0005	<0.0005
3/21/2017	<0.0005	7E-05 (J)	<0.0005	<0.0005	<0.0005
5/22/2017	<0.0005	0.0001 (J)	<0.0005		
5/23/2017				<0.0005	<0.0005
4/2/2018	<0.0005	<0.0005		<0.0005	
4/3/2018			<0.0005		<0.0005
6/4/2018	<0.0005	0.00014 (J)	<0.0005	<0.0005	
6/5/2018					<0.0005
10/1/2018	<0.0005	<0.0005	<0.0005	<0.0005	
10/2/2018					<0.0005
3/11/2019				<0.0005	
3/12/2019	<0.0005	0.00013 (J)	<0.0005		<0.0005
4/1/2019			<0.0005		
4/2/2019	<0.0005	0.00015 (J)		<0.0005	<0.0005
9/23/2019	<0.0005	<0.0005 (D)	<0.0005		
9/24/2019				<0.0005	<0.0005
3/2/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/25/2020	<0.0005	0.00014 (J)	<0.0005		
3/26/2020				<0.0005	<0.0005
8/25/2020		<0.0005	<0.0005		
8/28/2020	<0.0005				
9/15/2020	<0.0005	0.00012 (J)	<0.0005	<0.0005	<0.0005
2/8/2021	<0.0005			<0.0005	
2/9/2021		0.00016 (J)	<0.0005		<0.0005
3/10/2021	<0.0005			<0.0005	
3/11/2021		<0.0005	<0.0005		<0.0005
8/11/2021	<0.0005				
8/12/2021		0.00014 (J)	<0.0005	<0.0005	<0.0005
2/1/2022	<0.0005	0.00017 (J)	<0.0005		
2/7/2022				<0.0005	<0.0005
8/2/2022	<0.0005	0.00023 (J)	<0.0005	<0.0005	
8/10/2022					<0.0005
1/23/2023			<0.0005	<0.0005	
1/24/2023	<0.0005	0.00021 (J)			
1/27/2023					<0.0005
8/8/2023	<0.0005	0.00026 (J)	<0.0005	<0.0005	<0.0005
2/13/2024	<0.0005	0.00027 (J)	<0.0005	<0.0005	<0.0005
8/5/2024	<0.0005	0.00026 (J)	<0.0005		
8/6/2024				<0.0005	<0.0005
2/12/2025	<0.0005		<0.0005	<0.0005	
2/14/2025		0.00028 (J)			<0.0005
8/5/2025	<0.0005	0.00022 (J)	<0.0005	<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
5/20/2016	<0.0005				
5/23/2016					0.000139 (J)
7/11/2016	<0.0005				
7/12/2016					<0.0005
8/30/2016	<0.0005				
9/1/2016					0.0001 (J)
10/20/2016	<0.0005				
10/24/2016					0.0002 (J)
12/7/2016					0.0001 (J)
12/8/2016	<0.0005				
1/24/2017	<0.0005				
1/26/2017					0.0001 (J)
3/21/2017	<0.0005				
3/23/2017					0.0002 (J)
5/23/2017	<0.0005				
5/24/2017					0.0001 (J)
4/3/2018	<0.0005				
4/4/2018					<0.0005
6/5/2018	<0.0005				
6/6/2018					0.00012 (J)
10/2/2018	<0.0005				
10/3/2018					0.0001 (J)
3/12/2019	<0.0005				
3/14/2019					<0.0005
4/2/2019	<0.0005				
4/5/2019					7.9E-05 (J)
9/24/2019	<0.0005				<0.0005
3/2/2020	<0.0005				
3/3/2020					<0.0005
3/25/2020	<0.0005				
3/30/2020					<0.0005
9/15/2020	<0.0005				
9/16/2020			<0.0005	<0.0005	
9/17/2020		<0.0005			
9/18/2020					<0.0005
11/10/2020			<0.0005	<0.0005	
11/11/2020		<0.0005			
12/15/2020		<0.0005	<0.0005	<0.0005	
1/19/2021			<0.0005	<0.0005	
1/20/2021		<0.0005			
2/8/2021		<0.0005			
2/9/2021	<0.0005		<0.0005	<0.0005	
2/11/2021					<0.0005
3/10/2021		<0.0005		<0.0005	
3/11/2021	<0.0005		<0.0005		
3/17/2021					<0.0005
8/11/2021			<0.0005		
8/12/2021	<0.0005	<0.0005			
8/13/2021				<0.0005	
8/18/2021					0.00013 (J)
2/1/2022			<0.0005	<0.0005	
2/7/2022	<0.0005	<0.0005			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
2/9/2022					<0.0005
8/2/2022			<0.0005	<0.0005	
8/9/2022		<0.0005			
8/10/2022	<0.0005				
8/11/2022					<0.0005
1/23/2023		<0.0005			
1/24/2023			<0.0005	<0.0005	
1/27/2023	<0.0005				
2/1/2023					<0.0005
8/8/2023	<0.0005	<0.0005	<0.0005	<0.0005	
8/13/2023					<0.0005
2/13/2024	<0.0005	<0.0005	<0.0005	<0.0005	
2/17/2024					<0.0005
8/6/2024	<0.0005	0.00024 (J)	<0.0005	<0.0005	
8/10/2024					0.00011 (J)
2/12/2025			<0.0005	<0.0005	
2/14/2025	<0.0005	<0.0005			
2/18/2025					<0.0005
8/5/2025	<0.0005	<0.0005	<0.0005	<0.0005	
8/8/2025					<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
5/23/2016	0.00271 (J)	<0.0005	<0.0005		
5/24/2016				<0.02	
7/12/2016	0.0019	<0.0005	<0.0005	0.0022	
9/1/2016	0.0017	<0.0005	<0.0005	0.0024	
10/24/2016	0.0018				
10/25/2016		<0.0005	<0.0005	0.0022	
12/7/2016	0.0018	<0.0005	<0.0005		
12/8/2016				0.0024	
1/26/2017	0.0013	<0.0005	<0.0005	0.0025	
3/22/2017		<0.0005	7E-05 (J)		
3/23/2017	0.002			0.0025	
5/24/2017	0.0041	<0.0005			
5/25/2017			<0.0005	0.0027	
4/3/2018	0.0022	<0.0005	<0.0005	0.0022	
6/5/2018				0.0022	
6/6/2018	0.0021	<0.0005	<0.0005		
10/3/2018	0.0026	<0.0005	<0.0005	0.0027	
3/14/2019	0.0024			0.0019	
3/15/2019		<0.0005	<0.0005		<0.0005
4/4/2019	0.0018	<0.0005			<0.0005
4/5/2019			<0.0005	0.0017	
9/24/2019	0.0014 (J)				
9/25/2019		<0.0005	<0.0005	0.0023 (J)	<0.0005
3/3/2020	0.0015 (J)	<0.0005	<0.0005	0.0021 (J)	<0.0005
3/26/2020	0.0016 (J)				
3/30/2020		<0.0005			
3/31/2020			<0.0005	0.0017 (J)	
4/1/2020					<0.0005
6/17/2020					<0.0005
9/15/2020				0.0019 (J)	
9/16/2020			<0.0005		
9/17/2020	0.0016 (J)	<0.0005			
9/21/2020					<0.0005
2/10/2021		<0.0005			
2/11/2021			<0.0005	0.0016 (J)	<0.0005
2/12/2021	0.0014 (J)				
3/16/2021	0.0011				
3/17/2021		<0.0005			
3/18/2021			<0.0005	0.0015	<0.0005
8/18/2021			<0.0005		
8/19/2021	0.0012	<0.0005		0.0014	<0.0005
2/8/2022	0.0011	<0.0005	<0.0005	0.00076	<0.0005
8/10/2022		<0.0005	<0.0005	0.0017	
8/11/2022	0.00095				<0.0005
1/27/2023					<0.0005
1/30/2023			<0.0005		
2/1/2023	0.00088	<0.0005		0.001	
8/12/2023					<0.0005
8/13/2023	0.00033 (J)	<0.0005	<0.0005	0.0017	
2/17/2024	0.00084		<0.0005		
2/18/2024		<0.0005		0.0015	<0.0005
8/8/2024	0.00037 (J)		<0.0005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
8/9/2024		<0.0005		0.00096	<0.0005
2/16/2025			0.00015 (J)		
2/17/2025	0.00083	<0.0005			
2/18/2025				0.00056	<0.0005
8/8/2025	0.00031 (J)	<0.0005	<0.0005	0.00084	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-51
4/1/2020	0.00022 (J)			
6/17/2020	0.00021 (J)			
6/18/2020		<0.0025	0.00053 (J)	
9/21/2020	0.00016 (J)		0.001 (J)	
9/23/2020		<0.0025		
2/12/2021	0.00017 (J)			
2/15/2021			0.0017 (J)	
3/18/2021	0.00019 (J)			
3/19/2021			0.0018	
8/16/2021		0.00023 (J)		
8/18/2021	0.00017 (J)		0.0015	0.00094
2/8/2022	0.00013 (J)		0.0015	0.00024 (J)
2/9/2022		0.00072		
8/10/2022	<0.0025	0.00041 (J)		
8/11/2022			0.0013 (J)	0.00045 (J)
1/27/2023	0.00017 (J)			
1/30/2023		0.00047 (J)		
2/1/2023			0.0017	0.0016
8/12/2023		0.0029	0.0012	0.00019 (J)
8/13/2023	0.0002 (J)			
2/18/2024	0.00014 (J)	0.0008		
2/19/2024			0.0013	0.00067
8/9/2024	0.00024 (J)		0.0012	0.00038 (J)
8/10/2024		0.0015		
2/16/2025	0.00015 (J)			
2/18/2025		0.0022		
3/6/2025			0.0014	0.0013
8/8/2025	0.0002 (J)	0.00059	0.00076	0.00065

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)
5/19/2016	138	22.9	76.2	48.4	35.5
7/11/2016	97.2	22.3		73	35.4
7/12/2016			61.5		
8/30/2016	97.5	26.4	65.1	85.7	28
10/19/2016	99.2	21.7	73.2	89.7	
10/20/2016					26.7
12/6/2016	105	18.2	74.9	80	
12/8/2016					23.5
1/24/2017	95.7	18.5	69.6	30.8	24.5
3/21/2017	106	18.6	75.7	34	30.8
5/22/2017	107	17.8	71.5		
5/23/2017				43	24.2
10/3/2017	102	20.2	76.3	46.9	29
6/4/2018	124	19.1	73.4	81.9	
6/5/2018					27.8
10/1/2018	108	20.5 (J)	80.9	22 (J)	
10/2/2018					28.9
4/1/2019			80.5		
4/2/2019	132	22.5 (J)		76	26.3
9/23/2019	118	19.5	71		
9/24/2019				36.6	29.3
3/25/2020	127	23	89.8		
3/26/2020				14.9	27.8
6/16/2020	130		85.1		
9/15/2020	103	21.1	73.1	20.4	27.9
3/10/2021	111			5.9	
3/11/2021		43.8	83.8		28.3
8/11/2021	113				
8/12/2021		21.9	84	5.4	32
2/1/2022	106	27.2	85.1		
2/7/2022				5.9	30
8/2/2022	117	31.2	84.6	6	
8/10/2022					27.4
1/23/2023			85	24	
1/24/2023	117	29.4			
1/27/2023					28.5
8/8/2023	118	30.7	78.3	35.7	54.4
2/13/2024	116	38.8	83.6	31.1	20.6
8/5/2024	113	34.7	83.3		
8/6/2024				32.6	27
2/12/2025	125		86.6	21.5	
2/14/2025		51.5			24.4
8/5/2025	113	24.1	72.6	26.7	27.6

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
5/20/2016	56.1				
5/23/2016					664
7/11/2016	49.3				
7/12/2016					528
8/30/2016	53.9				
9/1/2016					586
10/20/2016	50.7				
10/24/2016					564
12/7/2016					590
12/8/2016	49.2				
1/24/2017	48.3				
1/26/2017					558
3/21/2017	51.3				
3/23/2017					652
5/23/2017	49.1				
5/24/2017					617
10/3/2017	55.1				
10/4/2017					644
6/5/2018	54.5				
6/6/2018					606
10/2/2018	54.7				
10/3/2018					558
4/2/2019	49.7				
4/5/2019					606
9/24/2019	52.5				507
3/25/2020	58.1				
3/30/2020					600
9/15/2020	49.9				
9/16/2020			56	30	
9/17/2020		43.8			
9/18/2020					623
11/10/2020			63.3	33.6	
11/11/2020		44.4			
12/15/2020		47.3	62.6	28.7	
1/19/2021			60.1	33	
1/20/2021		41.8			
3/10/2021		43.4		12.1 (D)	
3/11/2021	53.1		59.6		
3/17/2021					572
8/11/2021			61		
8/12/2021	54.7	43.6			
8/13/2021				28.9	
8/18/2021					583
2/1/2022			55.9	24.8	
2/7/2022	53.4	48.7			
2/9/2022					571
8/2/2022			54.1	20.9	
8/9/2022		44.1			
8/10/2022	55.7				
8/11/2022					519
1/23/2023		43.7			
1/24/2023			56.6	13.2	

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
1/27/2023	55.4				
2/1/2023					464
8/8/2023	27.9	40.7	52.8	8.1	
8/13/2023					418
2/13/2024	55.4	47.7	53.3	9.9	
2/17/2024					418
8/6/2024	57.2	44.8	57.2	7.1	
8/10/2024					375
2/12/2025			61.8	7.2	
2/14/2025	52.1	46.5			
2/18/2025					341
8/5/2025	55.5	42.8	55.2	6	
8/8/2025					265

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
5/23/2016	184	146	225		
5/24/2016				403	
7/12/2016	186	142	199	328	
9/1/2016	189	141	213	379	
10/24/2016	200				
10/25/2016		138	206	362	
12/7/2016	203	146	212		
12/8/2016				366	
1/26/2017	212	139	198	394	
3/22/2017		150	239		
3/23/2017	229			440	
5/24/2017	265	153			
5/25/2017			292	492	
10/4/2017	230	156	305	470	
6/5/2018				425	
6/6/2018	250	177	299		
10/3/2018	234	160	286	421	
4/4/2019	214	196			427
4/5/2019			340	400	
9/24/2019	202				
9/25/2019		185	305	437	420
3/26/2020	240				
3/30/2020		208			
3/31/2020			328	418	
4/1/2020					438
6/17/2020					434
9/15/2020				430	
9/16/2020			277		
9/17/2020	188	190			
9/21/2020					428
2/10/2021				397	
3/16/2021	196				
3/17/2021		198			
3/18/2021			266	407	382
8/18/2021			281		
8/19/2021	203	207		416	365
2/8/2022	186	218	280	418	366
8/10/2022		207	316	433	
8/11/2022	210				430
1/27/2023					281
1/30/2023			286		
2/1/2023	174	216		288	
8/12/2023					167
8/13/2023	182	187	261	355	
2/17/2024	175		199		
2/18/2024		199		347	104
8/8/2024	182		189		
8/9/2024		183		182	86.4
2/16/2025			176		
2/17/2025	142	158			
2/18/2025				109	77.4
8/8/2025	160	158	190	147	66.9

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-51
1/22/2020	638			
4/1/2020	567			
6/17/2020	561			
6/18/2020		584	517	
9/21/2020	562		503	
9/23/2020		556		
3/18/2021	574			
3/19/2021			552	
8/16/2021		554		
8/18/2021	549		546	532
2/8/2022	548		519	537
2/9/2022		557		
8/10/2022	498	585		
8/11/2022			499	521
1/27/2023	371			
1/30/2023		558		
2/1/2023			503	492
8/12/2023		469	455	485
8/13/2023	418			
2/18/2024	337	458		
2/19/2024			473	486
8/9/2024	381		471	483
8/10/2024		451		
2/16/2025	238			
2/18/2025		287		
3/6/2025			476	414
8/8/2025	313	352	345	331

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)
5/19/2016	9.94	6.14	5.93	4.56	1.57
7/11/2016	6.3	5.9		5	2
7/12/2016			6.2		
8/30/2016	6	6.2	6.4	4.9	2
10/19/2016	5.8	6.1	6.5	4.6	
10/20/2016					2.2
12/6/2016	5.4	6	7.2	4.5	
12/8/2016					2
1/24/2017	5.2	6.1	6.4	4.7	1.6
3/21/2017	4.6	5.9	7.5	4.3	2
5/22/2017	4.6	5.9	6.5		
5/23/2017				4.5	1.7
10/3/2017	5.6	6.3	6.5	4.8	1.7
6/4/2018	13.1	6.1	6.3	4.5	
6/5/2018					1.6
10/1/2018	6.6	6.4	6.4	3.8	
10/2/2018					2.4
4/1/2019			6.5		
4/2/2019	20.3	5.8		4.4	1.7
9/23/2019	17.7	5.1	5.9		
9/24/2019				3.6	1.7
3/25/2020	20.4	5.2	6.1		
3/26/2020				3.4	1.4
6/16/2020	41.1		5.8		
9/15/2020	13.4	5	6	3.3	1.7
3/10/2021	7.4			2.9	
3/11/2021		5.1	5.9		1.4
8/11/2021	9.6				
8/12/2021		5.2	4.8	2.4	1.4
2/1/2022	7.5	7	5.7		
2/7/2022				2.4	1.4
8/2/2022	14.1	7.8	5.9	2.9	
8/10/2022					2.1
1/23/2023			5.6	1.6	
1/24/2023	9	7.1			
1/27/2023					1.6
8/8/2023	26	6.6	5.3	2.6	1.3
2/13/2024	10	6.3	5.3	1.4	1.8
8/5/2024	8.7	7.9	5.2		
8/6/2024				2.3	2.1
2/12/2025	4.8		5	1.4	
2/14/2025		8.5			1.4
8/5/2025	17.2	9.6	5.5	1.5	1.8

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
5/20/2016	1.35				
5/23/2016					659
7/11/2016	1.7				
7/12/2016					620
8/30/2016	1.6				
9/1/2016					510
10/20/2016	1.6				
10/24/2016					110
12/7/2016					510
12/8/2016	1.6				
1/24/2017	1.9				
1/26/2017					640
3/21/2017	1.3				
3/23/2017					600
5/23/2017	1.2				
5/24/2017					510
10/3/2017	2.1				
10/4/2017					420
6/5/2018	1.2				
6/6/2018					357
10/2/2018	1.7				
10/3/2018					368
4/2/2019	1.6				
4/5/2019					227
9/24/2019	1.3				188
3/25/2020	1.2				
3/30/2020					236
9/15/2020	1.2				
9/16/2020			4.1	5.65 (D)	
9/17/2020		5.8			
9/18/2020					288
11/10/2020			4.4	7.8	
11/11/2020		3.1			
12/15/2020		3.2	4.7	9.4	
1/19/2021			4.1	9.5	
1/20/2021		2.8			
3/10/2021		3		12.3	
3/11/2021	1.2		4.5		
3/17/2021					233
8/11/2021			3.5		
8/12/2021	0.94 (J)	2.6			
8/13/2021				39.9	
8/18/2021					141
2/1/2022			4.1	44.8	
2/7/2022	1.1	3.1			
2/9/2022					174
8/2/2022			4.3	19.8	
8/9/2022		3.7			
8/10/2022	1.3				
8/11/2022					147
1/23/2023		3.3			
1/24/2023			4.3	24.9	

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
1/27/2023	1.4				
2/1/2023					108
8/8/2023	2.1	3.2	3.5	27	
8/13/2023					95.8
2/13/2024	1.4	4.1	3.9	27.7	
2/17/2024					88.9
8/6/2024	1.3	3.3	4	30.2	
8/10/2024					84.9
2/12/2025			3.8	30.7	
2/14/2025	0.98 (J)	3.1			
2/18/2025					92
8/5/2025	1.3	3.1	4	29.7	
8/8/2025					65.1

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
5/23/2016	209	25.8	94		
5/24/2016				280	
7/12/2016	190	34	100	300	
9/1/2016	200	34	95	270	
10/24/2016	200				
10/25/2016		35	98	290	
12/7/2016	240	38	89		
12/8/2016				300	
1/26/2017	260	41	99	340	
3/22/2017		41	100		
3/23/2017	280			350	
5/24/2017	240	44			
5/25/2017			99	290	
10/4/2017	210	50	130	260	
6/5/2018				261	
6/6/2018	196	50.6	166		
10/3/2018	200	49.9	193	302	
4/4/2019	138	76.8			299
4/5/2019			195	217	
9/24/2019	120				
9/25/2019		84.4	139	181	245
3/26/2020	142				
3/30/2020		80.2			
3/31/2020			161	126	
4/1/2020					236
6/17/2020					223
9/15/2020				150	
9/16/2020			156		
9/17/2020	108	99.3			
9/21/2020					236
2/10/2021				93.4	
3/16/2021	103				
3/17/2021		93.8			
3/18/2021			138	90.2	208
8/18/2021			90.7		
8/19/2021	89.9	90.1		95.8	173
2/8/2022	76.6	96.4	117	105	196
8/10/2022		98.3	148	95.2	
8/11/2022	89.2				216
1/27/2023					167
1/30/2023			154		
2/1/2023	85	112		92.7	
8/12/2023					76.2
8/13/2023	78.2	89.1	109	104	
2/17/2024	70.2		81.7		
2/18/2024		87.5		99	29.7
8/8/2024	80.2		70.2		
8/9/2024		74.8		53.7	20.3
2/16/2025			77.7		
2/17/2025	62.8	87.8			
2/18/2025				44.7	30.1
8/8/2025	69.3	71.3	81.3	50.7	20.9

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-51
1/22/2020	231			
4/1/2020	242			
6/17/2020	250			
6/18/2020		259	229	
9/21/2020	273		257	
9/23/2020		294		
3/18/2021	199			
3/19/2021			250	
8/16/2021		264		
8/18/2021	118		149	123
2/8/2022	166		202	194
2/9/2022		251		
8/10/2022	120	185		
8/11/2022			172	144
1/27/2023	83.4			
1/30/2023		173		
2/1/2023			189	158
8/12/2023		157	181	139
8/13/2023	99			
2/18/2024	65.5	143		
2/19/2024			150	125
8/9/2024	83.2		159	116
8/10/2024		129		
2/16/2025	38.6			
2/18/2025		215		
3/6/2025			141	87.5
8/8/2025	79.6	141	102	82.5

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)
5/19/2016	<0.005	<0.005	<0.005	<0.005	<0.005
7/11/2016	<0.005	<0.005		<0.005	<0.005
7/12/2016			<0.005		
8/30/2016	<0.005	<0.005	<0.005	<0.005	<0.005
10/19/2016	<0.005	<0.005	<0.005	<0.005	
10/20/2016					<0.005
12/6/2016	<0.005	<0.005	<0.005	<0.005	
12/8/2016					<0.005
1/24/2017	<0.005	<0.005	<0.005	<0.005	<0.005
3/21/2017	0.0005 (J)	<0.005	<0.005	0.0004 (J)	<0.005
5/22/2017	<0.005	<0.005	0.0007 (J)		
5/23/2017				<0.005	<0.005
4/2/2018	<0.005	<0.005		<0.005	
4/3/2018			<0.005		<0.005
3/11/2019				<0.005	
3/12/2019	<0.005	<0.005	<0.005		<0.005
4/1/2019			<0.005		
4/2/2019	<0.005	0.0079 (J)		0.019	<0.005
9/23/2019	<0.005	0.00058 (J)	<0.005		
9/24/2019				<0.005	<0.005
3/2/2020	<0.005	0.00041 (J)	<0.005	0.0004 (J)	0.0005 (J)
3/25/2020	0.00072 (J)	<0.005	<0.005		
3/26/2020				<0.005	<0.005
8/25/2020		0.00067 (J)	<0.005		
8/28/2020	<0.005				
9/15/2020	<0.005	<0.005	<0.005	<0.005	<0.005
2/8/2021	<0.005			<0.005	
2/9/2021		<0.005	<0.005		<0.005
3/10/2021	<0.005			<0.005	
3/11/2021		<0.005	<0.005		0.0011 (J)
8/11/2021	<0.005				
8/12/2021		<0.005	<0.005	<0.005	<0.005
2/1/2022	<0.005	<0.005	<0.005		
2/7/2022				<0.005	<0.005
8/2/2022	<0.005	<0.005	<0.005	<0.005	
8/10/2022					<0.005
1/23/2023			<0.005	<0.005	
1/24/2023	<0.005	<0.005			
1/27/2023					<0.005
8/8/2023	<0.005	<0.005	<0.005	<0.005	<0.005
2/13/2024	<0.005	<0.005	<0.005	<0.005	<0.005
8/5/2024	<0.005	<0.005	<0.005		
8/6/2024				<0.005	<0.005
2/12/2025	<0.005		<0.005	<0.005	
2/14/2025		<0.005			<0.005
8/5/2025	<0.005	<0.005	<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
5/20/2016	<0.005				
5/23/2016					<0.005
7/11/2016	<0.005				
7/12/2016					<0.005
8/30/2016	<0.005				
9/1/2016					<0.005
10/20/2016	<0.005				
10/24/2016					<0.005
12/7/2016					<0.005
12/8/2016	<0.005				
1/24/2017	<0.005				
1/26/2017					<0.005
3/21/2017	0.0007 (J)				
3/23/2017					<0.005
5/23/2017	<0.005				
5/24/2017					<0.005
4/3/2018	<0.005				
4/4/2018					<0.005
3/12/2019	<0.005				
3/14/2019					<0.005
4/2/2019	<0.005				
4/5/2019					<0.005
9/24/2019	<0.005				<0.005
3/2/2020	<0.005				
3/3/2020					0.00042 (J)
3/25/2020	<0.005				
3/30/2020					0.00066 (J)
9/15/2020	<0.005				
9/16/2020			<0.005	0.0012 (J)	
9/17/2020		<0.005			
9/18/2020					<0.005
11/10/2020			<0.005	0.00089 (J)	
11/11/2020		0.00063 (J)			
12/15/2020		0.0025 (J)	<0.005	0.00072 (J)	
1/19/2021			<0.005	0.0011 (J)	
1/20/2021		<0.005			
2/8/2021		0.00078 (J)			
2/9/2021	<0.005		0.00095 (J)	0.00066 (J)	
2/11/2021					<0.005
3/10/2021		<0.005		<0.005	
3/11/2021	<0.005		<0.005		
3/17/2021					<0.005
8/11/2021			<0.005		
8/12/2021	<0.005	<0.005			
8/13/2021				0.0016 (J)	
8/18/2021					<0.005
2/1/2022			<0.005	0.0013 (J)	
2/7/2022	<0.005	<0.005			
2/9/2022					<0.005
8/2/2022			<0.005	<0.005	
8/9/2022		<0.005			
8/10/2022	<0.005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
8/11/2022					<0.005
1/23/2023		<0.005			
1/24/2023			<0.005	<0.005	
1/27/2023	<0.005				
2/1/2023					<0.005
8/8/2023	<0.005	<0.005	<0.005	<0.005	
8/13/2023					<0.005
2/13/2024	<0.005	0.01	<0.005	<0.005	
2/17/2024					<0.005
8/6/2024	<0.005	<0.005	<0.005	<0.005	
8/10/2024					<0.005
2/12/2025			<0.005	<0.005	
2/14/2025	<0.005	<0.005			
2/18/2025					<0.005
8/5/2025	<0.005	<0.005	<0.005	<0.005	
8/8/2025					<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
5/23/2016	<0.005	<0.005	<0.005		
5/24/2016				<0.005	
7/12/2016	<0.005	<0.005	<0.005	<0.005	
9/1/2016	<0.005	<0.005	<0.005	<0.005	
10/24/2016	<0.005				
10/25/2016		<0.005	<0.005	<0.005	
12/7/2016	<0.005	<0.005	<0.005		
12/8/2016				<0.005	
1/26/2017	<0.005	<0.005	<0.005	<0.005	
3/22/2017		0.0021 (J)	<0.005		
3/23/2017	0.0005 (J)			0.0005 (J)	
5/24/2017	<0.005	<0.005			
5/25/2017			<0.005	<0.005	
4/3/2018	<0.005	<0.005	<0.005	<0.005	
3/14/2019	<0.005			<0.005	
3/15/2019		<0.005	<0.005		<0.005
4/4/2019	<0.005	<0.005			<0.005
4/5/2019			<0.005	<0.005	
9/24/2019	0.00041 (J)				
9/25/2019		<0.005	<0.005	<0.005	<0.005
3/3/2020	<0.005	0.00071 (J)	0.0018 (J)	0.0004 (J)	<0.005
3/26/2020	<0.005				
3/30/2020		0.0004 (J)			
3/31/2020			<0.005	<0.005	
4/1/2020					<0.005
6/17/2020					0.00057 (J)
9/15/2020				0.00063 (J)	
9/16/2020			<0.005		
9/17/2020	<0.005	<0.005			
9/21/2020					<0.005
2/10/2021		<0.005			
2/11/2021			0.00074 (J)	<0.005	<0.005
2/12/2021	<0.005				
3/16/2021	0.0012 (J)				
3/17/2021		<0.005			
3/18/2021			0.00069 (J)	<0.005	0.00074 (J)
8/18/2021			<0.005		
8/19/2021	<0.005	<0.005		<0.005	<0.005
2/8/2022	<0.005	<0.005	<0.005	<0.005	<0.005
8/10/2022		<0.005	<0.005	<0.005	
8/11/2022	<0.005				<0.005
1/27/2023					<0.005
1/30/2023			<0.005		
2/1/2023	<0.005	<0.005		<0.005	
8/12/2023					<0.005
8/13/2023	<0.005	<0.005	<0.005	<0.005	
2/17/2024	<0.005		<0.005		
2/18/2024		<0.005		<0.005	<0.005
8/8/2024	<0.005		<0.005		
8/9/2024		<0.005		<0.005	<0.005
2/16/2025			<0.005		
2/17/2025	<0.005	<0.005			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
2/18/2025				<0.005	<0.005
8/8/2025	<0.005	<0.005	<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/16/2025 3:58 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-51
4/1/2020	0.00069 (J)			
6/17/2020	<0.005			
6/18/2020		0.0059 (J)	<0.005	
9/21/2020	<0.005		0.00079 (J)	
9/23/2020		<0.005		
2/12/2021	<0.005			
2/15/2021			<0.005	
3/18/2021	<0.005			
3/19/2021			0.00083 (J)	
8/16/2021		<0.005		
8/18/2021	<0.005		<0.005	<0.005
2/8/2022	<0.005		<0.005	<0.005
2/9/2022		<0.005		
8/10/2022	<0.005	<0.005		
8/11/2022			<0.005	<0.005
1/27/2023	<0.005			
1/30/2023		<0.005		
2/1/2023			<0.005	<0.005
8/12/2023		<0.005	<0.005	<0.005
8/13/2023	<0.005			
2/18/2024	<0.005	<0.005		
2/19/2024			<0.005	<0.005
8/9/2024	0.0028 (J)		<0.005	<0.005
8/10/2024		<0.005		
2/16/2025	<0.005			
2/18/2025		<0.005		
3/6/2025			<0.005	<0.005
8/8/2025	<0.005	<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)
5/19/2016	<0.005	0.0293	<0.005	<0.005	<0.005
7/11/2016	0.0004 (J)	0.0267		<0.005	0.001 (J)
7/12/2016			<0.005		
8/30/2016	<0.005	0.028	<0.005	<0.005	0.001 (J)
10/19/2016	<0.005	0.0201	<0.005	<0.005	
10/20/2016					0.0008 (J)
12/6/2016	<0.005	0.0184	<0.005	<0.005	
12/8/2016					0.0006 (J)
1/24/2017	<0.005	0.0206	<0.005	<0.005	0.0006 (J)
3/21/2017	<0.005	0.0251	<0.005	<0.005	0.0008 (J)
5/22/2017	<0.005	0.0263	<0.005		
5/23/2017				<0.005	0.0006 (J)
4/2/2018	<0.005	0.019		<0.005	
4/3/2018			<0.005		<0.005
6/4/2018	<0.005	0.025	<0.005	<0.005	
6/5/2018					<0.005
10/1/2018	<0.005	0.026	<0.005	<0.005	
10/2/2018					<0.005
3/11/2019				<0.005	
3/12/2019	<0.005	0.017	<0.005		0.00099 (J)
4/1/2019			<0.005		
4/2/2019	<0.005	0.019		<0.005	0.0012 (J)
9/23/2019	<0.005	0.038	<0.005		
9/24/2019				<0.005	0.00063 (J)
3/2/2020	<0.005	0.019	<0.005	0.00063 (J)	0.00093 (J)
3/25/2020	<0.005	0.02	<0.005		
3/26/2020				0.00058 (J)	0.0013 (J)
8/25/2020		0.018	<0.005		
8/28/2020	<0.005				
9/15/2020	<0.005	0.021	<0.005	<0.005	0.00047 (J)
2/8/2021	<0.005			0.00074 (J)	
2/9/2021		0.02	<0.005		0.00071 (J)
3/10/2021	<0.005			0.00065 (J)	
3/11/2021		0.013	<0.005		0.0013 (J)
8/11/2021	<0.005				
8/12/2021		0.022	<0.005	0.0007 (J)	<0.005
2/1/2022	<0.005	0.025	<0.005		
2/7/2022				0.00068 (J)	0.00055 (J)
8/2/2022	0.00054 (J)	0.024	<0.005	0.00066 (J)	
8/10/2022					<0.005
1/23/2023			<0.005	0.00049 (J)	
1/24/2023	<0.005	0.024			
1/27/2023					0.00063 (J)
8/8/2023	0.0008 (J)	0.029	<0.005	0.00041 (J)	<0.005
2/13/2024	<0.005	0.022	<0.005	0.00056 (J)	0.00039 (J)
8/5/2024	0.00055 (J)	0.032	<0.005		
8/6/2024				<0.005	0.0004 (J)
2/12/2025	<0.005		<0.005	<0.005	
2/14/2025		0.03			<0.005
8/5/2025	<0.005	0.03	<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
5/20/2016	<0.005				
5/23/2016					<0.25
7/11/2016	<0.005				
7/12/2016					0.0232
8/30/2016	<0.005				
9/1/2016					0.0248
10/20/2016	<0.005				
10/24/2016					0.0253
12/7/2016					0.0269
12/8/2016	<0.005				
1/24/2017	<0.005				
1/26/2017					0.0294
3/21/2017	<0.005				
3/23/2017					0.0311
5/23/2017	<0.005				
5/24/2017					0.0279
4/3/2018	<0.005				
4/4/2018					0.025
6/5/2018	<0.005				
6/6/2018					0.027
10/2/2018	<0.005				
10/3/2018					0.023
3/12/2019	<0.005				
3/14/2019					0.025
4/2/2019	<0.005				
4/5/2019					0.021
9/24/2019	<0.005				0.026
3/2/2020	<0.005				
3/3/2020					0.029
3/25/2020	<0.005				
3/30/2020					0.028
9/15/2020	<0.005				
9/16/2020			<0.005	<0.005	
9/17/2020		<0.005			
9/18/2020					0.027
11/10/2020			<0.005	<0.005	
11/11/2020		<0.005			
12/15/2020		0.00049 (J)	<0.005	<0.005	
1/19/2021			<0.005	<0.005	
1/20/2021		<0.005			
2/8/2021		<0.005			
2/9/2021	<0.005		<0.005	<0.005	
2/11/2021					0.033
3/10/2021		<0.005		<0.005	
3/11/2021	<0.005		<0.005		
3/17/2021					0.034
8/11/2021			<0.005		
8/12/2021	<0.005	<0.005			
8/13/2021				<0.005	
8/18/2021					0.033
2/1/2022			<0.005	<0.005	
2/7/2022	<0.005	<0.005			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
2/9/2022					0.038
8/2/2022			<0.005	<0.005	
8/9/2022		<0.005			
8/10/2022	<0.005				
8/11/2022					0.037
1/23/2023		<0.005			
1/24/2023			<0.005	<0.005	
1/27/2023	<0.005				
2/1/2023					0.035
8/8/2023	<0.005	<0.005	<0.005	<0.005	
8/13/2023					0.036
2/13/2024	<0.005	<0.005	<0.005	<0.005	
2/17/2024					0.038
8/6/2024	0.0014 (J)	0.0024 (J)	<0.005	<0.005	
8/10/2024					0.037
2/12/2025			<0.005	<0.005	
2/14/2025	<0.005	<0.005			
2/18/2025					0.031
8/5/2025	<0.005	<0.005	<0.005	<0.005	
8/8/2025					0.028

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
5/23/2016	0.0419 (J)	<0.005	0.0167		
5/24/2016				0.17 (J)	
7/12/2016	0.0393	<0.005	0.0148	0.168	
9/1/2016	0.045	<0.005	0.0151	0.18	
10/24/2016	0.0557				
10/25/2016		<0.005	0.0141	0.188	
12/7/2016	0.0536	<0.005	0.0141		
12/8/2016				0.206	
1/26/2017	0.055	<0.005	0.0154	0.195	
3/22/2017		<0.005	0.0169		
3/23/2017	0.0715			0.223	
5/24/2017	0.0446	<0.005			
5/25/2017			0.0154	0.209	
4/3/2018	0.032	<0.005	0.016	0.19	
6/5/2018				0.19	
6/6/2018	0.032	<0.005	0.018		
10/3/2018	0.051	<0.005	0.016	0.19	
3/14/2019	0.038			0.16	
3/15/2019		<0.005	0.017		<0.005
4/4/2019	0.035	0.00028 (J)			0.00034 (J)
4/5/2019			0.016	0.14	
9/24/2019	0.022				
9/25/2019		<0.005	0.015	0.18	<0.005
3/3/2020	0.03	0.00037 (J)	0.016	0.15	<0.005
3/26/2020	0.022				
3/30/2020		<0.005			
3/31/2020			0.016	0.16	
4/1/2020					<0.005
6/17/2020					<0.005
9/15/2020				0.16	
9/16/2020			0.013		
9/17/2020	0.026	<0.005			
9/21/2020					<0.005
2/10/2021		<0.005		0.14	
2/11/2021			0.012	0.14	<0.005
2/12/2021	0.019				
3/16/2021	0.018				
3/17/2021		<0.005			
3/18/2021			0.012	0.14	<0.005
8/18/2021			0.009		
8/19/2021	0.011	<0.005		0.15	<0.005
2/8/2022	0.0081	<0.005	0.0066	0.16	<0.005
8/10/2022		<0.005	0.012	0.16	
8/11/2022	0.0088				<0.005
1/27/2023					<0.005
1/30/2023			0.011		
2/1/2023	0.0091	<0.005		0.11	
8/12/2023					<0.005
8/13/2023	0.0016 (J)	<0.005	0.009	0.14	
2/17/2024	0.0058		0.0036 (J)		
2/18/2024		<0.005		0.15	<0.005
8/8/2024	0.0024 (J)		0.0045 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
8/9/2024		<0.005		0.091	<0.005
2/16/2025			<0.005		
2/17/2025	0.007	<0.005			
2/18/2025				0.061	<0.005
8/8/2025	0.0019 (J)	<0.005	0.0044 (J)	0.07	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-51
1/22/2020	0.052			
4/1/2020	0.058			
6/17/2020	0.053			
6/18/2020		0.011	0.091	
9/21/2020	0.047		0.084	
9/23/2020		0.0056		
2/12/2021	0.055			
2/15/2021			0.095	
3/18/2021	0.057			
3/19/2021			0.1	
8/16/2021		0.0093		
8/18/2021	0.054		0.085	0.03
2/8/2022	0.048		0.09	0.031
2/9/2022		0.0065		
8/10/2022	0.046	0.0066		
8/11/2022			0.082	0.027
1/27/2023	0.034			
1/30/2023		0.0071		
2/1/2023			0.088	0.021 (J)
8/12/2023		0.0058	0.082	0.022
8/13/2023	0.061			
2/18/2024	0.042	0.0067		
2/19/2024			0.084	0.046
8/9/2024	0.068		0.084	0.027
8/10/2024		0.0064		
2/16/2025	0.029			
2/18/2025		0.0035 (J)		
3/6/2025			0.082	0.014
8/8/2025	0.041	0.0049 (J)	0.048	0.022

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)
5/19/2016	0.397	0.627	0.342	0.662	0.685
7/11/2016	0.738	1.38		1.19	1.68
7/12/2016			0.499		
8/30/2016	0.581	1.05	0.976	0.847	2.42
10/19/2016	0.213	1.11	0.626	2.34	
10/20/2016					0.351
12/6/2016	0.444	0.741	0.805	0.925	
12/8/2016					0.905
1/24/2017	0.373	0.908	0.336	0.607	0.0774
3/21/2017	0.816	0.567	0.358	0.074	0.0599
5/22/2017	0.554 (U)	0.638 (U)	0.744 (U)		
5/23/2017				0.55 (U)	0.477 (U)
4/2/2018	0.405	0.761		0.371	
4/3/2018			0.684		0.858
6/4/2018	1.13 (U)	0.975 (U)	0.0291 (U)	0.622 (U)	
6/5/2018					0.767 (U)
10/1/2018	0.132 (U)	0.434 (U)	0.781 (U)	0.132 (U)	
10/2/2018					0.489 (U)
3/11/2019				0.781 (U)	
3/12/2019	0.327 (U)	0.454 (U)	1.01 (U)		0.833 (U)
4/1/2019			0.76 (U)		
4/2/2019	0.739 (U)	0.651 (U)		0.494 (U)	1.07 (U)
9/24/2019				0.455 (U)	0.201 (U)
9/30/2019	0.306 (U)	1.04 (U)	0.384 (U)		
3/2/2020	0.61 (U)	1.58	0.249 (U)	0.937 (U)	0.547 (U)
3/25/2020	4.36	0.621 (U)	0.833 (U)		
3/26/2020				0.578 (U)	0.907 (U)
8/25/2020		0.778 (U)	0.33 (U)		
8/28/2020	0 (U)				
9/15/2020	0.748 (U)	0.124 (U)	0.161 (U)	0.179 (U)	0.601 (U)
2/8/2021	0.223 (U)			0.558 (U)	
2/9/2021		0.721 (UD)	0.447 (U)		0.37 (U)
3/10/2021	0 (U)			0.281 (U)	
3/11/2021		0.737 (U)	0.128 (U)		1.07 (U)
8/11/2021	0.115 (U)				
8/12/2021		0.746 (U)	0.4435 (UD)	0.359 (U)	0.922 (U)
2/1/2022	0.143 (U)	0.588 (U)	0.266 (U)		
2/7/2022				0.0978 (U)	0.106 (U)
8/2/2022	0.203 (U)	0.861 (U)	0.4 (U)	0.963 (U)	
8/10/2022					0.568 (U)
1/23/2023			0.311 (U)	0.961	
1/24/2023	0.549 (U)	0.829 (U)			
1/27/2023					1.47 (U)
8/8/2023	0.195 (U)	0.175 (U)	0.411 (U)	0.463 (U)	0.222 (U)
2/13/2024	0.194 (U)	0.325 (U)	0.213 (U)	0.721 (U)	0.0243 (U)
8/5/2024	0.64 (U)	1.27	0.371 (U)		
8/6/2024				0.369 (U)	0.611 (U)
2/12/2025	0.624 (U)				
2/14/2025		1.2 (U)	0.606 (U)	1.83	1.3 (U)
8/5/2025	0.226 (U)	0.278 (U)	0.125 (U)	0.537 (U)	0.733 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
5/20/2016	0.843				
5/23/2016					0.568
7/11/2016	0.494				
7/12/2016					1.31
8/30/2016	0.946				
9/1/2016					1.64
10/20/2016	0.664				
10/24/2016					1.88
12/7/2016					1.35
12/8/2016	0.421				
1/24/2017	0.965				
1/26/2017					2.1
3/21/2017	0.139				
3/23/2017					1.17
5/23/2017	0.308 (U)				
5/24/2017					1 (U)
4/3/2018	0.828				
4/4/2018					1.72
6/5/2018	0.424 (U)				
6/6/2018					1.31
10/2/2018	0.643 (U)				
10/3/2018					1.48
3/12/2019	0.982 (U)				
3/14/2019					1.5
4/2/2019	0.621 (U)				
4/5/2019					1.43 (U)
9/24/2019	0.874 (U)				1.17
3/2/2020	0.676 (U)				
3/3/2020					1.84
3/25/2020	0.509 (U)				
3/30/2020					1.08 (U)
9/15/2020	1.36 (U)				
9/16/2020			0.531 (U)	0.422 (U)	
9/17/2020		0.665 (U)			
9/18/2020					1.8 (U)
11/10/2020			0.788 (U)	0.293 (U)	
11/11/2020		1.28			
12/15/2020		0.261 (U)	1.04 (U)	0.7 (U)	
1/19/2021			0.685 (U)	0.79 (U)	
1/20/2021		0.845 (U)			
2/8/2021		0.429 (U)			
2/9/2021	0.324 (U)		0.138 (UD)	0.486 (U)	
2/11/2021					0.73 (U)
3/10/2021		1.21		0.811 (U)	
3/11/2021	0.601 (U)		1.51 (U)		
3/17/2021					1.84
8/11/2021			0.394 (U)		
8/12/2021	0.0804 (U)	0.11 (U)			
8/13/2021				1.0795 (UD)	
8/18/2021					0.858 (U)
2/1/2022			1.12	0.665 (U)	
2/7/2022	0.346 (U)	0.066 (U)			

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
2/9/2022					0.346 (U)
8/2/2022			0.662 (U)	0.952 (U)	
8/9/2022		0.158 (U)			
8/10/2022	0.648 (U)				
8/11/2022					1.31
1/23/2023		1.12			
1/24/2023			1.25	0.421 (U)	
1/27/2023	0.801 (U)				
2/1/2023					1.13
8/8/2023	0.168 (U)	0.463 (U)	0.503 (U)	0.163 (U)	
8/13/2023					0.801 (U)
2/13/2024	0.153 (U)	0.168 (U)	0.86 (U)	0.909	
2/17/2024					0.439 (U)
8/6/2024	0.619 (U)	0.917 (U)	0.674 (U)	0.529 (U)	
8/10/2024					0.844 (U)
2/12/2025			0.624 (U)	0.622 (U)	
2/14/2025	0.159 (U)	0.3 (U)			
2/18/2025					0.685 (U)
8/5/2025	0.31 (U)	0.585 (U)	0.994 (U)	0.255 (U)	
8/8/2025					0.803 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
5/23/2016	0.171		0.618		
5/24/2016				1.82	
7/1/2016		0			
7/12/2016	0.611	0.182	0.867	1.76	
9/1/2016	0.766	1.23	0.857	1.51	
10/24/2016	0.969				
10/25/2016		1.05	1.11	2.69	
12/7/2016	0.302	1.11	0.964		
12/8/2016				2.21	
1/26/2017	0.626	1.29	0.612	2.26	
3/22/2017		0.453	0.437		
3/23/2017	0.662			1.81	
5/24/2017	0.202 (U)	1.05			
5/25/2017			1.21 (U)	1.63	
4/3/2018	0.384	0.783	0.409	2.53	
6/5/2018				1.91	
6/6/2018	1.32	0.595 (U)	0.772 (U)		
10/3/2018	0.858 (U)	1.03 (U)	1.08 (U)	2.22	
3/14/2019	0.462 (U)			1.37 (U)	
3/15/2019		0.591 (U)	0.917 (U)		0.972 (U)
4/4/2019	0.512 (U)	0.96 (U)			0.791 (U)
4/5/2019			1.07 (U)	2.22	
9/24/2019	0.582 (U)				
9/25/2019		0.643 (U)	1.54	2.77	0.751 (U)
3/3/2020	1.43	1.32	1.33	2.35	1.94
3/26/2020	0.855 (U)				
3/30/2020		0.288 (U)			
3/31/2020			0.591 (U)	2.7	
4/1/2020					0.758 (U)
6/17/2020					0.691 (U)
9/15/2020				1.65	
9/16/2020			0.295 (U)		
9/17/2020	0.395 (U)	1.1 (U)			
9/21/2020					0.436 (U)
2/10/2021		0.773 (U)			
2/11/2021			0.831 (U)	1.11	0.317 (U)
2/12/2021	1.65				
3/16/2021	0.801 (U)				
3/17/2021		0.228 (U)			
3/18/2021			0.856 (U)	1.63	0.5 (U)
8/18/2021			0.548 (U)		
8/19/2021	0.527 (U)	0.668 (U)		1.45	1.17
2/8/2022	0.0242 (U)	0.168 (U)	1 (U)	0.93 (U)	0.463 (U)
8/10/2022		0.249 (U)	0.361 (U)	1.46	
8/11/2022	0.656 (U)				0.691 (U)
1/27/2023					0.256 (U)
1/30/2023			0.5 (U)		
2/1/2023	0.626 (U)	0.757 (U)		0.871	
8/12/2023					0.297 (U)
8/13/2023	0.785 (U)	0.281 (U)	0.678 (U)	1.03	
2/17/2024	0.576 (U)		0.633 (U)		
2/18/2024		0.248 (U)		0.757 (U)	0.127 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
8/8/2024	0.124 (U)		0.721 (U)		
8/9/2024		0.51 (U)		1.12	0.526 (U)
2/16/2025			1.24 (U)		
2/17/2025	0.191 (U)	0.825 (U)			
2/18/2025				1.56 (U)	0.925 (U)
8/8/2025	0.337 (U)	0.638 (U)	0 (U)	0.479 (U)	0.483 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-51
4/1/2020	2.57			
6/17/2020	1.43 (U)			
6/18/2020		1.36	2.02	
9/21/2020	2.53		3.85	
9/23/2020		0.563 (U)		
2/12/2021	2.26			
2/15/2021			1.52	
3/18/2021	0.733 (U)			
3/19/2021			0.524 (U)	
8/16/2021		0.693 (U)		
8/18/2021	1.77		1.67	0.973 (U)
2/8/2022	0.967 (U)		1.38	0.431 (U)
2/9/2022		0.297 (U)		
8/10/2022	1.52	1.05		
8/11/2022			1.71	1.02
1/27/2023	1.44 (U)			
1/30/2023		0.689 (U)		
2/1/2023			1.24	0.82 (U)
8/12/2023		0.676 (U)	0.897 (U)	0.484 (U)
8/13/2023	0.773 (U)			
2/18/2024	0.552 (U)	0.515 (U)		
2/19/2024			1.43	0.995 (U)
8/9/2024	0.729 (U)		0.703 (U)	0.478 (U)
8/10/2024		0.59 (U)		
2/16/2025	1.11 (U)			
2/18/2025		0.911 (U)		
3/6/2025			1.17 (U)	0.605 (U)
8/8/2025	1.2 (U)	0.471 (U)	1.47	1.28 (U)

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)
5/19/2016	0.105 (J)	0.0303 (J)	0.0513 (J)	0.036 (J)	0.08 (J)
7/11/2016	0.16 (J)	0.05 (J)		0.09 (J)	0.09 (J)
7/12/2016			0.12 (J)		
8/30/2016	0.09 (J)	0.06 (J)	0.09 (J)	0.06 (J)	0.08 (J)
10/19/2016	0.1 (J)	0.04 (J)	0.1 (J)	0.07 (J)	
10/20/2016					0.1 (J)
12/6/2016	0.11 (J)	0.36	0.21 (J)	0.07 (J)	
12/8/2016					0.08 (J)
1/24/2017	0.09 (J)	<0.1	0.06 (J)	<0.1	0.09 (J)
3/21/2017	0.13 (J)	<0.1	0.005 (J)	<0.1	0.04 (J)
5/22/2017	0.12 (J)	<0.1	0.05 (J)		
5/23/2017				0.01 (J)	0.04 (J)
10/3/2017	0.13 (J)	<0.1	0.13 (J)	<0.1	0.06 (J)
4/2/2018	<0.3	<0.1		<0.1	
4/3/2018			<0.1		<0.1
6/4/2018	0.074 (J)	<0.1	<0.1	0.097 (J)	
6/5/2018					0.083 (J)
10/1/2018	<0.3	<0.1	<0.1	<0.1	
10/2/2018					<0.1
3/11/2019				0.035 (J)	
3/12/2019	0.29 (J)	0.038 (J)	0.072 (J)		0.079 (J)
4/1/2019			0.029 (J)		
4/2/2019	0.1 (J)	0.071 (J)		<0.1	0.12 (J)
9/23/2019	0.078 (J)	<0.1	<0.1		
9/24/2019				<0.1	0.058 (J)
3/2/2020	0.076 (J)	<0.1	<0.1	<0.1	0.053 (J)
3/25/2020	0.098 (J)	<0.1	<0.1		
3/26/2020				<0.1	0.066 (J)
6/16/2020	0.071 (J)		<0.1		
8/25/2020		<0.1	<0.1		
8/28/2020	0.08 (J)				
9/15/2020	0.082 (J)	<0.1	<0.1	<0.1	0.061 (J)
2/8/2021	0.078 (J)			<0.1	
2/9/2021		<0.1	0.074 (J)		0.053 (J)
3/10/2021	0.079 (J)			<0.1	
3/11/2021		0.1	<0.1		0.06 (J)
8/11/2021	0.058 (J)				
8/12/2021		<0.1	<0.1	<0.1	<0.1
2/1/2022	0.064 (J)	<0.1	<0.1		
2/7/2022				<0.1	<0.1
8/2/2022	0.09 (J)	0.053 (J)	0.067 (J)	0.076 (J)	
8/10/2022					0.078 (J)
1/23/2023			0.061 (J)	0.12	
1/24/2023	0.089 (J)	0.053 (J)			
1/27/2023					0.088 (J)
8/8/2023	0.088 (J)	0.07 (J)	0.055 (J)	0.11	0.059 (J)
2/13/2024	0.071 (J)	0.17	<0.1	0.13	0.059 (J)
8/5/2024	0.11	0.12	0.077 (J)		
8/6/2024				0.19	0.098 (J)
2/12/2025	0.1		0.073 (J)	0.16	
2/14/2025		0.1			<0.1
8/5/2025	0.055 (J)	<0.1	<0.1	0.12	0.054 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
5/20/2016	0.065 (J)				
5/23/2016					<0.1
7/11/2016	0.13 (J)				
7/12/2016					0.2 (J)
8/30/2016	0.07 (J)				
9/1/2016					0.08 (J)
10/20/2016	0.06 (J)				
10/24/2016					0.04 (J)
12/7/2016					0.11 (J)
12/8/2016	0.06 (J)				
1/24/2017	0.02 (J)				
1/26/2017					0.13 (J)
3/21/2017	0.08 (J)				
3/23/2017					0.28 (J)
5/23/2017	0.006 (J)				
5/24/2017					0.32
10/3/2017	<0.1				
10/4/2017					0.52
4/3/2018	<0.1				
4/4/2018					<0.1
6/5/2018	0.055 (J)				
6/6/2018					0.25 (J)
10/2/2018	0.076 (J)				
10/3/2018					0.21 (J)
3/12/2019	0.061 (J)				
3/14/2019					0.24 (J)
4/2/2019	<0.1				
4/5/2019					0.66
9/24/2019	<0.1				0.053 (J)
3/2/2020	<0.1				
3/3/2020					<0.1
3/25/2020	<0.1				
3/30/2020					0.092 (J)
9/15/2020	<0.1				
9/16/2020			0.22	0.37 (D)	
9/17/2020		0.2			
9/18/2020					<0.1
11/10/2020			0.19	0.59	
11/11/2020		0.1			
12/15/2020		0.11	0.21	0.67	
1/19/2021			0.16	0.74	
1/20/2021		0.082 (J)			
2/8/2021		0.096 (J)			
2/9/2021	<0.1		0.19	0.44	
2/11/2021					0.059 (J)
3/10/2021		0.11		0.65	
3/11/2021	0.17		0.2		
3/17/2021					0.076 (J)
8/11/2021			0.15		
8/12/2021	<0.1	0.079 (J)			
8/13/2021				0.87	
8/18/2021					<0.1

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
2/1/2022			0.19	0.96	
2/7/2022	<0.1	0.085 (J)			
2/9/2022					0.053 (J)
8/2/2022			0.22	0.8	
8/9/2022		0.12			
8/10/2022	0.067 (J)				
8/11/2022					0.085 (J)
1/23/2023		0.11			
1/24/2023			0.23	1.3	
1/27/2023	0.067 (J)				
2/1/2023					0.094 (J)
8/8/2023	0.072 (J)	0.1	0.18	1.3	
8/13/2023					0.1
2/13/2024	0.065 (J)	0.087 (J)	0.2	1.5	
2/17/2024					0.065 (J)
8/6/2024	0.08 (J)	0.12	0.21	1.3	
8/10/2024					0.19
2/12/2025			0.21	1.1	
2/14/2025	<0.1	0.073 (J)			
2/18/2025					0.055 (J)
8/5/2025	0.064 (J)	0.11	0.16	0.87	
8/8/2025					0.08 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
5/23/2016	<0.1	0.038 (J)	<0.3		
5/24/2016				<0.3	
7/12/2016	0.09 (J)	0.26 (J)	0.09 (J)	0.54	
9/1/2016	0.22 (J)	0.42	0.03 (J)	0.49	
10/24/2016	0.07 (J)				
10/25/2016		0.25 (J)	0.07 (J)	0.58	
12/7/2016	0.23 (J)	0.23 (J)	0.54		
12/8/2016				0.63	
1/26/2017	<0.1	0.02 (J)	<0.3	0.71	
3/22/2017		0.3	0.07 (J)		
3/23/2017	0.12 (J)			0.57	
5/24/2017	0.31	0.46			
5/25/2017			0.42	0.54	
10/4/2017	0.6	<0.1	0.93	0.95	
4/3/2018	<0.1	<0.1	<0.3	0.33	
6/5/2018				0.66	
6/6/2018	0.17 (J)	<0.1	0.23 (J)		
10/3/2018	<0.1	<0.1	<0.3	0.32	
3/14/2019	<0.1			0.88	
3/15/2019		<0.1	<0.3		<0.1
4/4/2019	0.066 (J)	<0.1			0.1 (J)
4/5/2019			0.16 (J)	0.37	
9/24/2019	0.12 (J)				
9/25/2019		<0.1	0.081 (J)	0.73	<0.1
3/3/2020	0.064 (J)	<0.1	<0.3	0.34	<0.1
3/26/2020	<0.1				
3/30/2020		0.059 (J)			
3/31/2020			<0.3	0.45	
4/1/2020					<0.1
6/17/2020					<0.1
9/15/2020				0.31	
9/16/2020			0.058 (J)		
9/17/2020	<0.1	<0.1			
9/21/2020					<0.1
2/10/2021		0.21			
2/11/2021			0.058 (J)	0.71	<0.1
2/12/2021	0.053 (J)				
3/16/2021	<0.1				
3/17/2021		<0.1			
3/18/2021			0.057 (J)	0.64	<0.1
8/18/2021			0.062 (J)		
8/19/2021	<0.1	<0.1		0.31	<0.1
2/8/2022	<0.1	<0.1	0.055 (J)	0.19	<0.1
8/10/2022		0.054 (J)	0.086 (J)	0.3	
8/11/2022	0.097 (J)				0.056 (J)
1/27/2023					0.05 (J)
1/30/2023			0.097 (J)		
2/1/2023	0.086 (J)	0.053 (J)		0.21	
8/12/2023					<0.1
8/13/2023	0.12	0.053 (J)	0.081 (J)	0.25	
2/17/2024	0.064 (J)		0.057 (J)		
2/18/2024		<0.1		0.17	<0.1

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
8/8/2024	0.08 (J)		0.066 (J)		
8/9/2024		0.052 (J)		0.28	0.078 (J)
2/16/2025			0.05 (J)		
2/17/2025	0.052 (J)	<0.1			
2/18/2025				0.067 (J)	<0.1
8/8/2025	0.12	0.051 (J)	0.083 (J)	0.2	0.061 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-51
1/22/2020	0.18 (J)			
4/1/2020	0.15 (J)			
6/17/2020	0.25			
6/18/2020		0.082 (J)	0.053 (J)	
9/21/2020	0.14		<0.1	
9/23/2020		<0.1		
2/12/2021	0.25			
2/15/2021			0.093 (J)	
3/18/2021	0.4			
3/19/2021			0.082 (J)	
8/16/2021		0.066 (J)		
8/18/2021	0.16		0.052 (J)	0.072 (J)
2/8/2022	0.14		0.065 (J)	0.078 (J)
2/9/2022		0.051 (J)		
8/10/2022	0.21	0.081 (J)		
8/11/2022			0.088 (J)	0.11
1/27/2023	0.087 (J)			
1/30/2023		0.089 (J)		
2/1/2023			0.1	0.18
8/12/2023		0.062 (J)	0.077 (J)	0.1
8/13/2023	0.22			
2/18/2024	0.088 (J)	<0.1		
2/19/2024			0.16	0.12
8/9/2024	0.39		0.13	0.15
8/10/2024		0.1		
2/16/2025	0.089 (J)			
2/18/2025		<0.1		
3/6/2025			0.066 (J)	0.078 (J)
8/8/2025	0.2	0.087 (J)	0.18	0.13

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)
5/19/2016	<0.001	<0.001	<0.001	<0.001	<0.001
7/11/2016	<0.001	<0.001		<0.001	<0.001
7/12/2016			0.0001 (J)		
8/30/2016	<0.001	<0.001	<0.001	<0.001	<0.001
10/19/2016	<0.001	<0.001	<0.001	<0.001	
10/20/2016					0.0002 (J)
12/6/2016	<0.001	<0.001	<0.001	0.0002 (J)	
12/8/2016					<0.001
1/24/2017	<0.001	<0.001	<0.001	<0.001	<0.001
3/21/2017	<0.001	6E-05 (J)	0.0001 (J)	<0.001	<0.001
5/22/2017	<0.001	9E-05 (J)	<0.001		
5/23/2017				<0.001	9E-05 (J)
4/2/2018	<0.001	<0.001		<0.001	
4/3/2018			<0.001		<0.001
3/11/2019				<0.001	
3/12/2019	<0.001	<0.001	<0.001		<0.001
4/1/2019			<0.001		
4/2/2019	<0.001	<0.001		<0.001	<0.001
9/23/2019	7.8E-05 (J)	9.2E-05 (J)	<0.001		
9/24/2019				<0.001	<0.001
3/2/2020	4.8E-05 (J)	9.5E-05 (J)	<0.001	0.00026 (J)	<0.001
3/25/2020	<0.001	0.00011 (J)	<0.001		
3/26/2020				5.9E-05 (J)	<0.001
8/25/2020		8.5E-05 (J)	<0.001		
8/28/2020	7E-05 (J)				
9/15/2020	<0.001	8E-05 (J)	4.2E-05 (J)	4.9E-05 (J)	<0.001
2/8/2021	5.8E-05 (J)			0.00024 (J)	
2/9/2021		9.4E-05 (J)	<0.001		<0.001
3/10/2021	<0.001			0.00016 (J)	
3/11/2021		7.6E-05 (J)	<0.001		<0.001
8/11/2021	<0.001				
8/12/2021		<0.001	<0.001	<0.001	<0.001
2/1/2022	<0.001	<0.001	<0.001		
2/7/2022				<0.001	<0.001
8/2/2022	<0.001	<0.001	<0.001	<0.001	
8/10/2022					<0.001
1/23/2023			<0.001	<0.001	
1/24/2023	<0.001	<0.001			
1/27/2023					<0.001
8/8/2023	<0.001	<0.001	<0.001	<0.001	<0.001
2/13/2024	<0.001	0.00018 (J)	<0.001	0.00019 (J)	<0.001
8/5/2024	<0.001	<0.001	<0.001		
8/6/2024				<0.001	<0.001
2/12/2025	<0.001		<0.001	<0.001	
2/14/2025		<0.001			<0.001
8/5/2025	<0.001	<0.001	0.0003 (J)	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
5/20/2016	<0.001				
5/23/2016					0.00182 (J)
7/11/2016	<0.001				
7/12/2016					0.0015 (J)
8/30/2016	<0.001				
9/1/2016					0.0016 (J)
10/20/2016	<0.001				
10/24/2016					0.0016 (J)
12/7/2016					0.0018 (J)
12/8/2016	<0.001				
1/24/2017	<0.001				
1/26/2017					0.002 (J)
3/21/2017	<0.001				
3/23/2017					0.0019 (J)
5/23/2017	0.0003 (J)				
5/24/2017					0.0016 (J)
4/3/2018	<0.001				
4/4/2018					<0.001
3/12/2019	<0.001				
3/14/2019					0.0014 (J)
4/2/2019	<0.001				
4/5/2019					0.0012 (J)
9/24/2019	7.1E-05 (J)				0.0013 (J)
3/2/2020	<0.001				
3/3/2020					0.0017 (J)
3/25/2020	<0.001				
3/30/2020					0.0015 (J)
9/15/2020	<0.001				
9/16/2020			5E-05 (J)	0.00021 (J)	
9/17/2020		6.2E-05 (J)			
9/18/2020					0.0012 (J)
11/10/2020			6.9E-05 (J)	0.0002 (J)	
11/11/2020		8.4E-05 (J)			
12/15/2020		0.00045 (J)	8.2E-05 (J)	0.00011 (J)	
1/19/2021			4.4E-05 (J)	0.00019 (J)	
1/20/2021		<0.001			
2/8/2021		8.1E-05 (J)			
2/9/2021	<0.001		0.00029 (J)	0.0001 (J)	
2/11/2021					0.0015 (J)
3/10/2021		<0.001		<0.001	
3/11/2021	<0.001		9.4E-05 (J)		
3/17/2021					0.0019
8/11/2021			<0.001		
8/12/2021	<0.001	<0.001			
8/13/2021				<0.001	
8/18/2021					0.0015
2/1/2022			<0.001	<0.001	
2/7/2022	<0.001	<0.001			
2/9/2022					0.0014
8/2/2022			<0.001	<0.001	
8/9/2022		<0.001			
8/10/2022	<0.001				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
8/11/2022					<0.001
1/23/2023		<0.001			
1/24/2023			<0.001	<0.001	
1/27/2023	<0.001				
2/1/2023					0.0011
8/8/2023	<0.001	<0.001	<0.001	<0.001	
8/13/2023					0.00079 (J)
2/13/2024	<0.001	0.00085 (J)	<0.001	<0.001	
2/17/2024					0.0012
8/6/2024	<0.001	<0.001	<0.001	<0.001	
8/10/2024					0.0012
2/12/2025			<0.001	<0.001	
2/14/2025	<0.001	<0.001			
2/18/2025					0.00097 (J)
8/5/2025	<0.001	<0.001	<0.001	<0.001	
8/8/2025					0.0017

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
5/23/2016	<0.001	<0.001	<0.001		
5/24/2016				0.00154 (J)	
7/12/2016	<0.001	<0.001	<0.001	0.0012 (J)	
9/1/2016	<0.001	<0.001	<0.001	0.0014 (J)	
10/24/2016	<0.001				
10/25/2016		<0.001	<0.001	0.0015 (J)	
12/7/2016	<0.001	<0.001	<0.001		
12/8/2016				0.0017 (J)	
1/26/2017	<0.001	0.0001 (J)	<0.001	0.0013 (J)	
3/22/2017		0.0002 (J)	0.0001 (J)		
3/23/2017	0.001 (J)			0.001 (J)	
5/24/2017	0.0001 (J)	0.0001 (J)			
5/25/2017			<0.001	0.0012 (J)	
4/3/2018	<0.001	<0.001	<0.001	<0.001	
3/14/2019	<0.001			0.0015 (J)	
3/15/2019		<0.001	<0.001		<0.001
4/4/2019	7.2E-05 (J)	0.00016 (J)			<0.001
4/5/2019			7.6E-05 (J)	0.0015 (J)	
9/24/2019	0.0002 (J)				
9/25/2019		<0.001	8.9E-05 (J)	0.0015 (J)	<0.001
3/3/2020	5.3E-05 (J)	0.00016 (J)	0.00013 (J)	0.0013 (J)	4.7E-05 (J)
3/26/2020	<0.001				
3/30/2020		7.3E-05 (J)			
3/31/2020			7.7E-05 (J)	0.0014 (J)	
4/1/2020					4.8E-05 (J)
6/17/2020					<0.001
9/15/2020				0.0014 (J)	
9/16/2020			6.5E-05 (J)		
9/17/2020	<0.001	7.8E-05 (J)			
9/21/2020					<0.001
2/10/2021		9.4E-05 (J)			
2/11/2021			0.00018 (J)	0.00098 (J)	0.00066 (J)
2/12/2021	<0.001				
3/16/2021	<0.001				
3/17/2021		5.8E-05 (J)			
3/18/2021			8.8E-05 (J)	0.00096 (J)	7.3E-05 (J)
8/18/2021			<0.001		
8/19/2021	<0.001	<0.001		0.0013	<0.001
2/8/2022	<0.001	<0.001	<0.001	0.0009 (J)	<0.001
8/10/2022		<0.001	<0.001	0.0011	
8/11/2022	<0.001				<0.001
1/27/2023					<0.001
1/30/2023			<0.001		
2/1/2023	<0.001	<0.001		<0.001	
8/12/2023					<0.001
8/13/2023	<0.001	<0.001	0.00049 (J)	0.00075 (J)	
2/17/2024	<0.001		<0.001		
2/18/2024		<0.001		0.0011	<0.001
8/8/2024	<0.001		0.00032 (J)		
8/9/2024		<0.001		0.0007 (J)	<0.001
2/16/2025			<0.001		
2/17/2025	<0.001	<0.001			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
2/18/2025				0.00038 (J)	<0.001
8/8/2025	<0.001	<0.001	<0.001	0.00048 (J)	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-51
4/1/2020	0.0017 (J)			
6/17/2020	0.0017 (J)			
6/18/2020		0.00087 (J)	0.00016 (J)	
9/21/2020	0.0017 (J)		0.00099 (J)	
9/23/2020		<0.001		
2/12/2021	0.0018 (J)			
2/15/2021			0.00055 (J)	
3/18/2021	0.0017			
3/19/2021			0.00066 (J)	
8/16/2021		<0.001		
8/18/2021	0.0016		<0.001	<0.001
2/8/2022	0.0014		<0.001	<0.001
2/9/2022		<0.001		
8/10/2022	<0.001	<0.001		
8/11/2022			<0.001	<0.001
1/27/2023	<0.001			
1/30/2023		<0.001		
2/1/2023			<0.001	<0.001
8/12/2023		<0.001	0.00035 (J)	<0.001
8/13/2023	0.0011			
2/18/2024	0.00084 (J)	<0.001		
2/19/2024			0.0006 (J)	<0.001
8/9/2024	0.0023		0.00068 (J)	<0.001
8/10/2024		<0.001		
2/16/2025	0.00041 (J)			
2/18/2025		<0.001		
3/6/2025			0.00035 (J)	<0.001
8/8/2025	0.00099 (J)	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)
5/19/2016	<0.002	<0.002	<0.002	<0.002	<0.002
7/11/2016	<0.002	0.0014 (J)		0.0015 (J)	0.0034 (J)
7/12/2016			0.0024 (J)		
8/30/2016	<0.002	<0.002	0.0025 (J)	0.0027 (J)	0.003 (J)
10/19/2016	<0.002	<0.002	0.003 (J)	0.0042 (J)	
10/20/2016					0.0031 (J)
12/6/2016	<0.002	<0.002	0.0033 (J)	0.0046 (J)	
12/8/2016					0.0027 (J)
1/24/2017	<0.002	<0.002	0.003 (J)	<0.002	0.0028 (J)
3/21/2017	<0.002	0.0012 (J)	0.0034 (J)	<0.002	0.0037 (J)
5/22/2017	<0.002	<0.002	0.003 (J)		
5/23/2017				<0.002	0.0033 (J)
4/2/2018	<0.002	0.0015 (J)		<0.002	
4/3/2018			0.003 (J)		0.0033 (J)
6/4/2018	0.001 (J)	0.0016 (J)	0.0027 (J)	0.00097 (J)	
6/5/2018					0.0034 (J)
10/1/2018	0.00099 (J)	0.0013 (J)	0.0032 (J)	<0.002	
10/2/2018					0.0035 (J)
3/11/2019				<0.002	
3/12/2019	0.001 (J)	0.0018 (J)	0.0032 (J)		0.0032 (J)
4/1/2019			0.0032 (J)		
4/2/2019	0.001 (J)	0.0018 (J)		0.00098 (J)	0.0028 (J)
9/23/2019	0.0011 (J)	0.0016 (J)	0.0029 (J)		
9/24/2019				<0.002	0.0035 (J)
3/2/2020	0.0012 (J)	0.0017 (J)	0.0037 (J)	0.0012 (J)	0.0036 (J)
3/25/2020	0.00083 (J)	0.0017 (J)	0.0035 (J)		
3/26/2020				0.00095 (J)	0.0029 (J)
8/25/2020		0.0015 (J)	0.0027 (J)		
8/28/2020	0.00087 (J)				
9/15/2020	0.00087 (J)	0.0015 (J)	0.0026 (J)	<0.002	0.003 (J)
2/8/2021	0.00086 (J)			0.0013 (J)	
2/9/2021		0.0012 (J)	0.0032 (J)		0.003 (J)
3/10/2021	0.0009 (J)			0.0011 (J)	
3/11/2021		0.0011 (J)	0.0035 (J)		0.0037 (J)
8/11/2021	0.00078 (J)				
8/12/2021		0.0012 (J)	0.0028 (J)	0.0013 (J)	0.0032 (J)
2/1/2022	0.0011 (J)	0.0017 (J)	0.0037 (J)		
2/7/2022				0.0013 (J)	0.0029 (J)
8/2/2022	<0.002	0.0013 (J)	0.003 (J)	0.0011 (J)	
8/10/2022					0.0028 (J)
1/23/2023			0.003 (J)	<0.002	
1/24/2023	0.00092 (J)	0.0014 (J)			
1/27/2023					0.003 (J)
8/8/2023	<0.002	0.0017 (J)	0.0031 (J)	<0.002	0.0095 (J)
2/13/2024	<0.002	0.0017 (J)	0.0034 (J)	<0.002	0.0032 (J)
8/5/2024	<0.002	0.0019 (J)	0.0034 (J)		
8/6/2024				0.0029 (J)	<0.002
2/12/2025	0.00119 (J)		0.00331 (J)	0.00126 (J)	
2/14/2025		0.00183 (J)			0.00335 (J)
8/5/2025	0.00116 (J)	0.0026	0.00374	0.000902 (J)	0.00366

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
5/20/2016	<0.002				
5/23/2016					<0.002
7/11/2016	0.01 (J)				
7/12/2016					<0.002
8/30/2016	0.0095 (J)				
9/1/2016					<0.002
10/20/2016	0.0105 (J)				
10/24/2016					<0.002
12/7/2016					<0.002
12/8/2016	0.01 (J)				
1/24/2017	0.0108 (J)				
1/26/2017					<0.002
3/21/2017	0.0115 (J)				
3/23/2017					<0.002
5/23/2017	0.011 (J)				
5/24/2017					<0.002
4/3/2018	0.012 (J)				
4/4/2018					<0.002
6/5/2018	0.011 (J)				
6/6/2018					<0.002
10/2/2018	0.01 (J)				
10/3/2018					<0.002
3/12/2019	0.011 (J)				
3/14/2019					<0.002
4/2/2019	0.0095 (J)				
4/5/2019					<0.002
9/24/2019	0.011 (J)				<0.002
3/2/2020	0.012 (J)				
3/3/2020					<0.002
3/25/2020	0.011 (J)				
3/30/2020					<0.002
9/15/2020	0.0095 (J)				
9/16/2020			0.0018 (J)	0.014 (J)	
9/17/2020		0.0039 (J)			
9/18/2020					<0.002
11/10/2020			0.0013 (J)	0.025 (J)	
11/11/2020		0.0086 (J)			
12/15/2020		0.008 (J)	0.0019 (J)	0.028 (J)	
1/19/2021			0.0025 (J)	0.034	
1/20/2021		0.01 (J)			
2/8/2021		0.0098 (J)			
2/9/2021	0.01 (J)		0.0026 (J)	0.026 (J)	
2/11/2021					<0.002
3/10/2021		0.0094 (J)		0.03	
3/11/2021	0.012 (J)		0.0022 (J)		
3/17/2021					<0.002
8/11/2021			0.0024 (J)		
8/12/2021	0.0094 (J)	0.0096 (J)			
8/13/2021				0.032	
8/18/2021					<0.002
2/1/2022			0.0024 (J)	0.048	
2/7/2022	0.0097 (J)	0.0097 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
2/9/2022					<0.002
8/2/2022			0.0019 (J)	0.041	
8/9/2022		0.011 (J)			
8/10/2022	0.01 (J)				
8/11/2022					<0.002
1/23/2023		0.0097 (J)			
1/24/2023			0.002 (J)	0.064	
1/27/2023	0.0096 (J)				
2/1/2023					<0.002
8/8/2023	0.0028 (J)	0.01 (J)	0.0021 (J)	0.092	
8/13/2023					<0.002
2/13/2024	0.01 (J)	0.011 (J)	0.0024 (J)	0.088	
2/17/2024					0.0029 (J)
8/6/2024	<0.002	0.0021 (J)	0.0025 (J)	0.1	
8/10/2024					<0.002
2/12/2025			0.00266 (J)	0.101	
2/14/2025	0.0115 (J)	0.0118 (J)			
2/18/2025					0.000675 (J)
8/5/2025	0.0114	0.0113	0.00308	0.104	
8/8/2025					0.00078 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
5/23/2016	<0.002	<0.002	<0.002		
5/24/2016				0.0142 (J)	
7/12/2016	<0.002	0.0037 (J)	<0.002	0.0141 (J)	
9/1/2016	0.0021 (J)	0.0033 (J)	<0.002	0.0158 (J)	
10/24/2016	<0.002				
10/25/2016		0.0029 (J)	<0.002	0.016 (J)	
12/7/2016	<0.002	0.0029 (J)	<0.002		
12/8/2016				0.0144 (J)	
1/26/2017	<0.002	0.0028 (J)	<0.002	0.0136 (J)	
3/22/2017		0.0025 (J)	<0.002		
3/23/2017	0.0016 (J)			0.0151 (J)	
5/24/2017	0.0029 (J)	0.0029 (J)			
5/25/2017			0.0011 (J)	0.0154 (J)	
4/3/2018	0.0026 (J)	0.0028 (J)	<0.002	0.013 (J)	
6/5/2018				0.013 (J)	
6/6/2018	0.0013 (J)	0.0031 (J)	<0.002		
10/3/2018	0.0017 (J)	0.0026 (J)	<0.002	0.015 (J)	
3/14/2019	<0.002			0.011 (J)	
3/15/2019		0.0041 (J)	0.0011 (J)		0.025 (J)
4/4/2019	0.0009 (J)	0.0032 (J)			0.019 (J)
4/5/2019			0.00074 (J)	0.0084 (J)	
9/24/2019	0.0012 (J)				
9/25/2019		0.0038 (J)	0.0011 (J)	0.015 (J)	0.024 (J)
3/3/2020	0.0084 (J)	0.0047 (J)	0.0012 (J)	0.012 (J)	0.026 (J)
3/26/2020	0.0061 (J)				
3/30/2020		0.0041 (J)			
3/31/2020			0.0009 (J)	0.012 (J)	
4/1/2020					0.026 (J)
6/17/2020					0.023 (J)
9/15/2020				0.014 (J)	
9/16/2020			0.0012 (J)		
9/17/2020	0.0094 (J)	0.0043 (J)			
9/21/2020					0.022 (J)
2/10/2021		0.0038 (J)			
2/11/2021			0.0013 (J)	0.011 (J)	0.021 (J)
2/12/2021	0.036				
3/16/2021	0.032				
3/17/2021		0.0048 (J)			
3/18/2021			0.0014 (J)	0.013 (J)	0.026 (J)
8/18/2021			0.0012 (J)		
8/19/2021	0.0058 (J)	0.0042 (J)		0.013 (J)	0.022 (J)
2/8/2022	0.014 (J)	0.0034 (J)	0.0014 (J)	0.01 (J)	0.022 (J)
8/10/2022		0.0032 (J)	0.0014 (J)	0.012 (J)	
8/11/2022	0.0025 (J)				0.022 (J)
1/27/2023					0.018 (J)
1/30/2023			0.0014 (J)		
2/1/2023	0.016 (J)	0.0036 (J)		0.0093 (J)	
8/12/2023					0.015 (J)
8/13/2023	0.0047 (J)	0.003 (J)	0.0018 (J)	0.012 (J)	
2/17/2024	0.014 (J)		<0.002		
2/18/2024		0.003 (J)		0.0098 (J)	0.012 (J)
8/8/2024	0.0042 (J)		0.0017 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
8/9/2024		0.0028 (J)		0.011 (J)	0.011 (J)
2/16/2025			0.00123 (J)		
2/17/2025	0.0146 (J)	0.00272 (J)			
2/18/2025				0.00876 (J)	0.0119 (J)
8/8/2025	0.00586	0.00312	0.00146 (J)	0.00964	0.00994

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-51
4/1/2020	0.0011 (J)			
6/17/2020	0.00097 (J)			
6/18/2020		0.0021 (J)	0.0046 (J)	
9/21/2020	0.00086 (J)		0.0036 (J)	
9/23/2020		0.0011 (J)		
2/12/2021	0.0011 (J)			
2/15/2021			0.0043 (J)	
3/18/2021	0.0012 (J)			
3/19/2021			0.0045 (J)	
8/16/2021		0.001 (J)		
8/18/2021	0.00097 (J)		0.0036 (J)	0.0022 (J)
2/8/2022	0.001 (J)		0.0039 (J)	0.001 (J)
2/9/2022		0.0022 (J)		
8/10/2022	0.0009 (J)	0.0015 (J)		
8/11/2022			<0.002	0.0014 (J)
1/27/2023	<0.002			
1/30/2023		0.0013 (J)		
2/1/2023			0.0034 (J)	0.0015 (J)
8/12/2023		0.0013 (J)	0.0031 (J)	0.00098 (J)
8/13/2023	0.00077 (J)			
2/18/2024	<0.002	<0.002		
2/19/2024			0.0031 (J)	0.0017 (J)
8/9/2024	0.0022 (J)		0.0034 (J)	<0.002
8/10/2024		<0.002		
2/16/2025	0.000839 (J)			
2/18/2025		0.0023 (J)		
3/6/2025			0.00319 (J)	0.00184 (J)
8/8/2025	0.000612 (J)	0.00123 (J)	0.00191 (J)	0.00177 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)
5/19/2016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
7/11/2016	<0.0002	<0.0002		<0.0002	<0.0002
7/12/2016			<0.0002		
8/30/2016	4E-05 (J)	4E-05 (J)	<0.0002	5E-05 (J)	<0.0002
10/19/2016	<0.0002	<0.0002	<0.0002	<0.0002	
10/20/2016					<0.0002
12/6/2016	<0.0002	<0.0002	<0.0002	5E-05 (J)	
12/8/2016					<0.0002
1/24/2017	<0.0002	<0.0002	<0.0002	0.0001 (J)	<0.0002
3/21/2017	<0.0002	<0.0002	<0.0002	0.00016 (J)	<0.0002
5/22/2017	<0.0002	<0.0002	<0.0002		
5/23/2017				5E-05 (J)	<0.0002
4/2/2018	<0.0002	<0.0002		<0.0002	
4/3/2018			<0.0002		<0.0002
3/11/2019				<0.0002	
3/12/2019	<0.0002	<0.0002	<0.0002		<0.0002
3/2/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/25/2020		<0.0002	<0.0002		
8/28/2020	<0.0002				
2/8/2021	<0.0002			<0.0002	
2/9/2021		<0.0002	<0.0002		<0.0002
8/11/2021	<0.0002				
8/12/2021		<0.0002	<0.0002		
2/1/2022	<0.0002	<0.0002	<0.0002		
2/7/2022				<0.0002	<0.0002
8/2/2022	<0.0002	<0.0002	<0.0002	<0.0002	
8/10/2022					<0.0002
1/23/2023			<0.0002	<0.0002	
1/24/2023	<0.0002	<0.0002			
1/27/2023					<0.0002
8/8/2023	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/13/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/5/2024	<0.0002	<0.0002	<0.0002		
8/6/2024				<0.0002	<0.0002
2/12/2025	<0.0002		<0.0002	<0.0002	
2/14/2025		<0.0002			<0.0002
8/5/2025	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
5/20/2016	<0.0002				
5/23/2016					<0.0002
7/11/2016	<0.0002				
7/12/2016					<0.0002
8/30/2016	4.4E-05 (J)				
9/1/2016					<0.0002
10/20/2016	<0.0002				
10/24/2016					<0.0002
12/7/2016					<0.0002
12/8/2016	<0.0002				
1/24/2017	<0.0002				
1/26/2017					<0.0002
3/21/2017	<0.0002				
3/23/2017					<0.0002
5/23/2017	<0.0002				
5/24/2017					<0.0002
4/3/2018	<0.0002				
4/4/2018					<0.0002
3/12/2019	<0.0002				
3/14/2019					<0.0002
3/2/2020	<0.0002				
3/3/2020					<0.0002
9/16/2020			<0.0002	<0.0002	
9/17/2020		<0.0002			
11/10/2020			<0.0002	<0.0002	
11/11/2020		<0.0002			
12/15/2020		<0.0002	<0.0002	<0.0002	
1/19/2021			<0.0002	<0.0002	
1/20/2021		<0.0002			
2/8/2021		<0.0002			
2/9/2021	<0.0002		<0.0002	<0.0002	
2/11/2021					<0.0002
8/11/2021			<0.0002		
8/13/2021				<0.0002	
2/1/2022			<0.0002	<0.0002	
2/7/2022	<0.0002	<0.0002			
2/9/2022					<0.0002
8/2/2022			<0.0002	<0.0002	
8/9/2022		<0.0002			
8/10/2022	<0.0002				
8/11/2022					<0.0002
1/23/2023		<0.0002			
1/24/2023			<0.0002	<0.0002	
1/27/2023	<0.0002				
2/1/2023					<0.0002
8/8/2023	<0.0002	<0.0002	<0.0002	<0.0002	
8/13/2023					<0.0002
2/13/2024	<0.0002	<0.0002	<0.0002	<0.0002	
2/17/2024					<0.0002
8/6/2024	<0.0002	<0.0002	<0.0002	<0.0002	
8/10/2024					<0.0002
2/12/2025			<0.0002	<0.0002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
2/14/2025	<0.0002	<0.0002			
2/18/2025					<0.0002
8/5/2025	<0.0002	<0.0002	<0.0002	<0.0002	
8/8/2025					<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
5/23/2016	<0.0002	<0.0002	<0.0002		
5/24/2016				<0.0002	
7/12/2016	<0.0002	<0.0002	<0.0002	<0.0002	
9/1/2016	<0.0002	<0.0002	<0.0002	6E-05 (J)	
10/24/2016	<0.0002				
10/25/2016		<0.0002	<0.0002	4E-05 (J)	
12/7/2016	<0.0002	<0.0002	<0.0002		
12/8/2016				<0.0002	
1/26/2017	<0.0002	<0.0002	<0.0002	8E-05 (J)	
3/22/2017		<0.0002	<0.0002		
3/23/2017	<0.0002			9E-05 (J)	
5/24/2017	<0.0002	<0.0002			
5/25/2017			<0.0002	8E-05 (J)	
4/3/2018	<0.0002	<0.0002	<0.0002	<0.0002	
3/14/2019	<0.0002			<0.0002	
3/15/2019		<0.0002	<0.0002		<0.0002
9/24/2019	0.024				
9/25/2019				<0.0002	
3/3/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/10/2021		<0.0002			
2/11/2021			<0.0002	<0.0002	<0.0002
2/12/2021	<0.0002				
2/8/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/10/2022		<0.0002	<0.0002	<0.0002	
8/11/2022	<0.0002				<0.0002
1/27/2023					<0.0002
1/30/2023			<0.0002		
2/1/2023	<0.0002	<0.0002		<0.0002	
8/12/2023					<0.0002
8/13/2023	<0.0002	<0.0002	<0.0002	<0.0002	
2/17/2024	<0.0002		<0.0002		
2/18/2024		<0.0002		<0.0002	<0.0002
8/8/2024	<0.0002		<0.0002		
8/9/2024		<0.0002		<0.0002	<0.0002
2/16/2025			<0.0002		
2/17/2025	<0.0002	<0.0002			
2/18/2025				<0.0002	<0.0002
8/8/2025	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-51
2/12/2021	<0.0002			
2/15/2021			<0.0002	
2/8/2022	<0.0002		0.00014 (J)	<0.0002
2/9/2022		<0.0002		
8/10/2022	<0.0002	<0.0002		
8/11/2022			0.00014 (J)	0.00013 (J)
1/27/2023	<0.0002			
1/30/2023		<0.0002		
2/1/2023			0.00084	<0.0002
8/12/2023		<0.0002	<0.0002	<0.0002
8/13/2023	<0.0002			
2/18/2024	<0.0002	<0.0002		
2/19/2024			<0.0002	<0.0002
8/9/2024	<0.0002		<0.0002	<0.0002
8/10/2024		<0.0002		
2/16/2025	<0.0002			
2/18/2025		<0.0002		
3/6/2025			0.00035	<0.0002
8/8/2025	<0.0002	<0.0002	<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)
5/19/2016	<0.01	<0.01	<0.01	<0.01	<0.01
7/11/2016	<0.01	<0.01		<0.01	<0.01
7/12/2016			<0.01		
8/30/2016	<0.01	<0.01	<0.01	<0.01	<0.01
10/19/2016	<0.01	<0.01	<0.01	<0.01	
10/20/2016					<0.01
12/6/2016	<0.01	<0.01	<0.01	<0.01	
12/8/2016					<0.01
1/24/2017	<0.01	<0.01	<0.01	<0.01	<0.01
3/21/2017	<0.01	<0.01	<0.01	<0.01	<0.01
5/22/2017	<0.01	<0.01	<0.01		
5/23/2017				<0.01	<0.01
4/2/2018	<0.01	<0.01		<0.01	
4/3/2018			<0.01		<0.01
6/4/2018	<0.01	<0.01	<0.01		
10/1/2018	<0.01	<0.01	<0.01		
3/11/2019				<0.01	
3/12/2019	<0.01	<0.01	<0.01		<0.01
4/1/2019			<0.01		
4/2/2019	<0.01	<0.01		<0.01	<0.01
9/23/2019	<0.01	<0.01	<0.01		
9/24/2019				<0.01	<0.01
3/2/2020	<0.01	<0.01	<0.01	<0.01	<0.01
3/25/2020	<0.01	<0.01	<0.01		
3/26/2020				<0.01	<0.01
6/16/2020	<0.01		<0.01		
8/25/2020		<0.01	<0.01		
8/28/2020	<0.01				
9/15/2020	<0.01	<0.01	<0.01	<0.01	<0.01
2/8/2021	<0.01			<0.01	
2/9/2021		<0.01	<0.01		<0.01
3/10/2021	<0.01			<0.01	
3/11/2021		<0.01	<0.01		<0.01
8/11/2021	<0.01				
8/12/2021		<0.01	<0.01	<0.01	<0.01
2/1/2022	<0.01	<0.01	<0.01		
2/7/2022				<0.01	<0.01
8/2/2022	<0.01	<0.01	<0.01	<0.01	
8/10/2022					<0.01
1/23/2023			<0.01	<0.01	
1/24/2023	<0.01	<0.01			
1/27/2023					<0.01
8/8/2023	<0.01	<0.01	<0.01	<0.01	<0.01
2/13/2024	<0.01	<0.01	<0.01	<0.01	<0.01
8/5/2024	<0.01	<0.01	<0.01		
8/6/2024				<0.01	<0.01
2/12/2025	<0.01		<0.01	<0.01	
2/14/2025		<0.01			<0.01
8/5/2025	<0.01	<0.01	<0.01	<0.01	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
5/20/2016	<0.01				
5/23/2016					<0.01
7/11/2016	0.0008 (J)				
7/12/2016					<0.01
8/30/2016	<0.01				
9/1/2016					<0.01
10/20/2016	<0.01				
10/24/2016					<0.01
12/7/2016					<0.01
12/8/2016	<0.01				
1/24/2017	<0.01				
1/26/2017					<0.01
3/21/2017	0.0002 (J)				
3/23/2017					<0.01
5/23/2017	<0.01				
5/24/2017					<0.01
4/3/2018	<0.01				
4/4/2018					<0.01
3/12/2019	<0.01				
3/14/2019					<0.01
4/2/2019	<0.01				
4/5/2019					<0.01
9/24/2019	<0.01				<0.01
3/2/2020	<0.01				
3/3/2020					<0.01
3/25/2020	<0.01				
3/30/2020					<0.01
9/15/2020	<0.01				
9/16/2020			0.0044 (J)	0.0019 (J)	
9/17/2020		0.0037 (J)			
9/18/2020					<0.01
11/10/2020			0.0072 (J)	0.0018 (J)	
11/11/2020		<0.01			
12/15/2020		0.00082 (J)	0.0044 (J)	0.0019 (J)	
1/19/2021			0.0038 (J)	0.0035 (J)	
1/20/2021		<0.01			
2/8/2021		<0.01			
2/9/2021	<0.01		0.0045 (J)	0.0038 (J)	
2/11/2021					<0.01
3/10/2021		<0.01		0.0019 (J)	
3/11/2021	<0.01		0.0064 (J)		
3/17/2021					<0.01
8/11/2021			0.0034 (J)		
8/12/2021	<0.01	<0.01			
8/13/2021				0.0051 (J)	
8/18/2021					<0.01
2/1/2022			0.0036 (J)	0.0055 (J)	
2/7/2022	<0.01	0.00099 (J)			
2/9/2022					<0.01
8/2/2022			0.0042 (J)	0.002 (J)	
8/9/2022		<0.01			
8/10/2022	<0.01				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
8/11/2022					<0.01
1/23/2023		<0.01			
1/24/2023			0.0027 (J)	0.0026 (J)	
1/27/2023	<0.01				
2/1/2023					<0.01
8/8/2023	<0.01	<0.01	0.0019 (J)	0.0013 (J)	
8/13/2023					<0.01
2/13/2024	<0.01	0.0021 (J)	0.0015 (J)	0.0018 (J)	
2/17/2024					<0.01
8/6/2024	0.14 (O)	0.2 (O)	0.001 (J)	0.00079 (J)	
8/10/2024					<0.01
2/12/2025			<0.01	<0.01	
2/14/2025	<0.01	<0.01			
2/18/2025					<0.01
8/5/2025	<0.01	<0.01	<0.01	<0.01	
8/8/2025					<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
5/23/2016	<0.01	<0.01	<0.01		
5/24/2016				<0.01	
7/12/2016	0.0007 (J)	<0.01	<0.01	<0.01	
9/1/2016	<0.01	<0.01	<0.01	<0.01	
10/24/2016	<0.01				
10/25/2016		<0.01	<0.01	<0.01	
12/7/2016	<0.01	<0.01	<0.01		
12/8/2016				<0.01	
1/26/2017	<0.01	<0.01	<0.01	<0.01	
3/22/2017		<0.01	<0.01		
3/23/2017	<0.01			<0.01	
5/24/2017	<0.01	<0.01			
5/25/2017			<0.01	<0.01	
4/3/2018	<0.01	<0.01	<0.01	<0.01	
3/14/2019	<0.01			<0.01	
3/15/2019		<0.01	<0.01		0.045
4/4/2019	<0.01	<0.01			0.033
4/5/2019			<0.01	<0.01	
9/24/2019	<0.01				
9/25/2019		<0.01	<0.01	<0.01	0.038
3/3/2020	<0.01	<0.01	<0.01	<0.01	0.025
3/26/2020	<0.01				
3/30/2020		<0.01			
3/31/2020			<0.01	<0.01	
4/1/2020					0.024
6/17/2020					0.019
9/15/2020				<0.01	
9/16/2020			<0.01		
9/17/2020	<0.01	<0.01			
9/21/2020					0.017
2/10/2021		<0.01			
2/11/2021			<0.01	<0.01	0.016
2/12/2021	<0.01				
3/16/2021	<0.01				
3/17/2021		<0.01			
3/18/2021			<0.01	<0.01	0.016
8/18/2021			<0.01		
8/19/2021	<0.01	<0.01		<0.01	0.018
2/8/2022	<0.01	<0.01	<0.01	<0.01	0.016
8/10/2022		<0.01	<0.01	<0.01	
8/11/2022	<0.01				0.023
1/27/2023					0.028
1/30/2023			<0.01		
2/1/2023	<0.01	<0.01		<0.01	
8/12/2023					0.021
8/13/2023	<0.01	<0.01	<0.01	<0.01	
2/17/2024	<0.01		<0.01		
2/18/2024		<0.01		<0.01	0.015
8/8/2024	<0.01		<0.01		
8/9/2024		<0.01		<0.01	0.013
2/16/2025			<0.01		
2/17/2025	<0.01	<0.01			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
2/18/2025				<0.01	0.0098 (J)
8/8/2025	<0.01	<0.01	<0.01	<0.01	0.011

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-51
4/1/2020	<0.01			
6/17/2020	<0.01			
6/18/2020		<0.01	<0.01	
9/21/2020	<0.01		<0.01	
9/23/2020		<0.01		
2/12/2021	<0.01			
2/15/2021			<0.01	
3/18/2021	<0.01			
3/19/2021			<0.01	
8/16/2021		<0.01		
8/18/2021	<0.01		<0.01	<0.01
2/8/2022	<0.01		<0.01	<0.01
2/9/2022		<0.01		
8/10/2022	<0.01	<0.01		
8/11/2022			<0.01	<0.01
1/27/2023	<0.01			
1/30/2023		<0.01		
2/1/2023			<0.01	<0.01
8/12/2023		<0.01	<0.01	<0.01
8/13/2023	<0.01			
2/18/2024	<0.01	<0.01		
2/19/2024			<0.01	<0.01
8/9/2024	<0.01		<0.01	<0.01
8/10/2024		<0.01		
2/16/2025	<0.01			
2/18/2025		<0.01		
3/6/2025			<0.01	<0.01
8/8/2025	<0.01	<0.01	<0.01	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: pH, Field (SU) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)
5/19/2016	7.27	5.81	7.45	6.51	6.62
7/11/2016	7.06	5.68		6.65	6.54
7/12/2016			7.32		
8/30/2016	7.28	5.63	7.43	7.14	6.38
10/19/2016	7.02	5.46	7.03	7.08	
10/20/2016					6.52
12/6/2016	7.09	5.38	7.08	7	
12/8/2016					6.5
1/24/2017	7.2	5.37	7.39	6.16	6.59
3/21/2017	7.01	4.9	6.83	6.07	6.55
5/22/2017	7.11	5.2	7.02		
5/23/2017				6.28	6.5
10/3/2017	7.21	5.3	7.47	6.45	6.63
4/2/2018	7.1	5.4		6.23	
4/3/2018			7.38		6.59
6/4/2018	7.06	5.27	7.38	6.82	
6/5/2018					6.44
10/1/2018	7.09	5.31	7.13	5.73	
10/2/2018					6.35
3/11/2019				6.27	
3/12/2019	7.03	5.42	7.29		6.42
4/1/2019			7.16		
4/2/2019	6.86	5.41		6.66	6.38
9/23/2019	7.02	5.33	7.3		
9/24/2019				6.16	6.4
9/30/2019	7	5.35	7.37		
3/2/2020	7.1	5.43	7.12	5.63	6.8
3/25/2020	6.95	5.36	7.4		
3/26/2020				5.77	6.38
6/16/2020	6.97		7.31		
8/25/2020		5.15	7.14		
8/28/2020	7.02				
9/15/2020	7.15	5.22	7.29	5.75	6.33
2/8/2021	7.11			4.94	
2/9/2021		5.42	7.23		6.35
3/10/2021	6.95			5.28	
3/11/2021		5.8	7.33		6.48
8/11/2021	6.98				
8/12/2021		5.05	7.31	5.26	6.462679
2/1/2022	7.19	5.24	7.45		
2/7/2022				5.24	6.51
8/2/2022	7.03	4.57	7.02	4.86	
8/10/2022					6.22
1/23/2023			7.32	5.62	
1/24/2023	6.76	5.22			
1/27/2023					6.52
8/8/2023	7.05	5.01	7.42	6.03	6.5
2/13/2024	7.06	5.49	7.35	5.98	6.66
8/5/2024	7.29	4.91	7.27		
8/6/2024				6.14	6.4
2/12/2025	7.08		7.37	5.69	
2/14/2025		5.75	7.45	5.94	6.52

Time Series

Constituent: pH, Field (SU) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)
8/5/2025	6.94	4.9	7.12	5.58	6.42

Time Series

Constituent: pH, Field (SU) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
5/20/2016	7.58				
5/23/2016					4.56
7/11/2016	7.32				
7/12/2016					4.49
8/30/2016	7.69				
9/1/2016					4.54
10/20/2016	7.43				
10/24/2016					4.63
12/7/2016					4.6
12/8/2016	7.56				
1/24/2017	7.52				
1/26/2017					4.8
3/21/2017	7.4				
3/23/2017					4.57
5/23/2017	7.53				
5/24/2017					4.61
10/3/2017	7.51				
10/4/2017					4.74
4/3/2018	7.53				
4/4/2018					4.5
6/5/2018	7.37				
6/6/2018					4.49
10/2/2018	7.36				
10/3/2018					4.67
3/12/2019	7.5				
3/14/2019					4.66
4/2/2019	7.46				
4/5/2019					4.67
9/24/2019	7.41				4.77
3/2/2020	7.67				
3/3/2020					4.77
3/25/2020	7.39				
3/30/2020					4.57
9/15/2020	7.37				
9/16/2020			7.52	7.83	
9/17/2020		7.62			
9/18/2020					4.88
11/10/2020			7.27	7.84	
11/11/2020		7.68			
12/15/2020		7.64	7.39	7.87	
1/19/2021			7.39	7.86	
1/20/2021		7.68			
2/8/2021		7.64			
2/9/2021	7.4		7.44	7.84	
2/11/2021					4.84
3/10/2021		7.7		7.92	
3/11/2021	7.56		7.46		
3/17/2021					4.72
8/11/2021			7.4		
8/12/2021	7.47	7.7			
8/13/2021				7.77	
8/18/2021					4.9

Time Series

Constituent: pH, Field (SU) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
2/1/2022			7.52	8.25	
2/7/2022	7.65	7.85			
2/9/2022					4.97
8/2/2022			7.15	7.9	
8/9/2022		7.58			
8/10/2022	7.53				
8/11/2022					4.93
1/23/2023		7.55			
1/24/2023			7.56	8.22	
1/27/2023	7.66				
2/1/2023					4.93
8/8/2023	7.6	7.72	7.39	8.2	
8/13/2023					4.83
2/13/2024	7.59	7.68	7.47	8.1	
2/17/2024					5.05
8/6/2024	7.56	7.64	7.46	8.36	
8/10/2024					4.88
2/12/2025			7.5	8.49	
2/14/2025	7.6	7.79			
2/18/2025					4.81
8/5/2025	7.47	7.42	7.42	8.46	
8/8/2025					4.65

Time Series

Constituent: pH, Field (SU) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
5/23/2016	6.17	7.15	6.4		
5/24/2016				4.83	
7/12/2016	6.17	7.1	6.09	4.58	
9/1/2016	6.22	7.29	6.35	4.51	
10/24/2016	5.97				
10/25/2016		7.03	6.23	4.53	
12/7/2016	5.87	6.85	6.23		
12/8/2016				4.56	
1/26/2017	6.05	7.07	6.24	4.61	
3/22/2017		7.15	6.25		
3/23/2017	5.79			4.63	
5/24/2017	6.01	7.11			
5/25/2017			6.27	4.69	
10/4/2017	5.82	7.17	6.18	4.58	
4/3/2018	5.98	7.07	6.22	4.54	
6/5/2018				4.57	
6/6/2018	6.12	7	6.22		
10/3/2018	5.92	6.94	6.23	4.41	
3/14/2019	5.71			4.39	
3/15/2019		7.09	6.32		6.81
4/4/2019	5.66	6.95			6.7
4/5/2019			6.26	4.5	
9/24/2019	6.33				
9/25/2019		6.92	6.28	4.54	6.54
3/3/2020	6	7.1	6.35	4.55	6.72
3/26/2020	6.03				
3/30/2020		7.09			
3/31/2020			6.28	4.43	
4/1/2020					6.9
6/17/2020					6.47
9/15/2020				4.47	
9/16/2020			6.35		
9/17/2020	6.11	7.11			
9/21/2020					6.92
2/10/2021		7.08		4.55	
2/11/2021			6.31	4.53	6.87
2/12/2021	5.99				
3/16/2021	6.08				
3/17/2021		7.19			
3/18/2021			6.43	4.54	6.95
8/18/2021			6.43		
8/19/2021	6.18	7.04		4.43	6.85
2/8/2022	6.04	7.18	6.42	4.59	7.09
8/10/2022		7.09	6.29	4.41	
8/11/2022	6.29				6.96
1/27/2023					7.31
1/30/2023			6.44		
2/1/2023	6.22	7.15		4.66	
8/12/2023					7.17
8/13/2023	6.66	7.13	6.46	4.75	
2/17/2024	6.56		6.54		
2/18/2024		7.12		4.73	7.19

Time Series

Constituent: pH, Field (SU) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
8/8/2024	6.6		6.9		
8/9/2024		7.32		4.95	7.42
2/16/2025			6.47		
2/17/2025	6.53	7.36			
2/18/2025				5	7.61
8/8/2025	6.59	7.11	6.42	4.72	7.29

Time Series

Constituent: pH, Field (SU) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-51
1/22/2020	4.51			
4/1/2020	4.35			
6/17/2020	4.36			
6/18/2020		7.35	5.46	
9/21/2020	4.48		5.4	
9/23/2020		7.05		
2/12/2021	4.4			
2/15/2021			4.82	
3/18/2021	4.27			
3/19/2021			4.89	
8/16/2021		7.05		
8/18/2021	4.42		4.89	6.19
2/8/2022	4.42		4.86	6.57
2/9/2022		7.21		
8/10/2022	4.36	7		
8/11/2022			4.86	6.37
1/27/2023	5.61			
1/30/2023		6.99		
2/1/2023			4.89	6.37
8/12/2023		7.06	5.05	6.6
8/13/2023	4.54			
2/18/2024	4.74	7.02		
2/19/2024			5.51	6.08
8/9/2024	4.87		5.05	6.49
8/10/2024		7.11		
2/16/2025	4.88			
2/18/2025		7.2		
3/6/2025			5.57	5.9
8/8/2025	4.7	6.98	5.91	5.95

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)
5/19/2016	<0.005	<0.005	<0.005	<0.005	<0.005
7/11/2016	<0.005	<0.005		<0.005	<0.005
7/12/2016			<0.005		
8/30/2016	<0.005	<0.005	<0.005	<0.005	<0.005
10/19/2016	<0.005	<0.005	<0.005	<0.005	
10/20/2016					<0.005
12/6/2016	<0.005	<0.005	<0.005	<0.005	
12/8/2016					<0.005
1/24/2017	<0.005	<0.005	<0.005	<0.005	0.0011 (J)
3/21/2017	<0.005	<0.005	<0.005	<0.005	<0.005
5/22/2017	<0.005	<0.005	<0.005		
5/23/2017				<0.005	<0.005
4/2/2018	<0.005	<0.005		<0.005	
4/3/2018			<0.005		<0.005
6/4/2018	<0.005	<0.005	<0.005	<0.005	
6/5/2018					<0.005
10/1/2018	<0.005	<0.005	<0.005	<0.005	
10/2/2018					<0.005
3/11/2019				<0.005	
3/12/2019	<0.005	<0.005	<0.005		<0.005
4/1/2019			<0.005		
4/2/2019	<0.005	<0.005		<0.005	<0.005
9/23/2019	<0.005	<0.005	<0.005		
9/24/2019				<0.005	<0.005
3/2/2020	<0.005	<0.005	<0.005	<0.005	<0.005
3/25/2020	<0.005	<0.005	<0.005		
3/26/2020				<0.005	<0.005
8/25/2020		<0.005	<0.005		
8/28/2020	<0.005				
9/15/2020	<0.005	<0.005	<0.005	<0.005	<0.005
2/8/2021	<0.005			<0.005	
2/9/2021		<0.005	<0.005		<0.005
3/10/2021	0.0047 (J)			<0.005	
3/11/2021		<0.005	<0.005		<0.005
8/11/2021	<0.005				
8/12/2021		<0.005	<0.005	<0.005	<0.005
2/1/2022	<0.005	<0.005	<0.005		
2/7/2022				<0.005	<0.005
8/2/2022	<0.005	0.0014 (J)	<0.005	<0.005	
8/10/2022					<0.005
1/23/2023			<0.005	<0.005	
1/24/2023	<0.005	<0.005			
1/27/2023					<0.005
8/8/2023	<0.005	0.0019 (J)	<0.005	<0.005	<0.005
2/13/2024	<0.005	0.002 (J)	<0.005	<0.005	<0.005
8/5/2024	<0.005	0.0013 (J)	<0.005		
8/6/2024				<0.005	<0.005
2/12/2025	<0.005		<0.005	<0.005	
2/14/2025		0.0043 (J)			<0.005
8/5/2025	<0.005	<0.005	<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
5/20/2016	<0.005				
5/23/2016					0.017
7/11/2016	<0.005				
7/12/2016					0.0146
8/30/2016	<0.005				
9/1/2016					0.0137
10/20/2016	<0.005				
10/24/2016					0.0135
12/7/2016					0.01 (J)
12/8/2016	<0.005				
1/24/2017	<0.005				
1/26/2017					0.0214
3/21/2017	<0.005				
3/23/2017					0.0167
5/23/2017	<0.005				
5/24/2017					0.0083 (J)
4/3/2018	<0.005				
4/4/2018					0.012
6/5/2018	<0.005				
6/6/2018					0.014
10/2/2018	<0.005				
10/3/2018					0.0056 (J)
3/12/2019	<0.005				
3/14/2019					0.0048 (J)
4/2/2019	<0.005				
4/5/2019					0.00091 (J)
9/24/2019	<0.005				0.0064 (J)
3/2/2020	<0.005				
3/3/2020					0.0045 (J)
3/25/2020	<0.005				
3/30/2020					0.0049 (J)
9/15/2020	<0.005				
9/16/2020			<0.005	<0.005	
9/17/2020		<0.005			
9/18/2020					0.0045 (J)
11/10/2020			<0.005	<0.005	
11/11/2020		<0.005			
12/15/2020		<0.005	<0.005	<0.005	
1/19/2021			<0.005	<0.005	
1/20/2021		<0.005			
2/8/2021		<0.005			
2/9/2021	<0.005		<0.005	<0.005	
2/11/2021					0.0072 (J)
3/10/2021		<0.005		<0.005	
3/11/2021	<0.005		<0.005		
3/17/2021					0.01 (J)
8/11/2021			<0.005		
8/12/2021	<0.005	<0.005			
8/13/2021				<0.005	
8/18/2021					0.0077
2/1/2022			<0.005	<0.005	
2/7/2022	<0.005	<0.005			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
2/9/2022					0.0047 (J)
8/2/2022			<0.005	<0.005	
8/9/2022		<0.005			
8/10/2022	<0.005				
8/11/2022					0.0037 (J)
1/23/2023		<0.005			
1/24/2023			<0.005	<0.005	
1/27/2023	<0.005				
2/1/2023					0.0036 (J)
8/8/2023	<0.005	<0.005	<0.005	<0.005	
8/13/2023					0.0038 (J)
2/13/2024	<0.005	<0.005	<0.005	<0.005	
2/17/2024					0.0056
8/6/2024	<0.005	<0.005	<0.005	<0.005	
8/10/2024					0.003 (J)
2/12/2025			<0.005	<0.005	
2/14/2025	<0.005	<0.005			
2/18/2025					0.0096
8/5/2025	<0.005	<0.005	<0.005	<0.005	
8/8/2025					0.0035 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
5/23/2016	<0.005	<0.005	<0.005		
5/24/2016				<0.2	
7/12/2016	<0.005	<0.005	<0.005	0.036	
9/1/2016	<0.005	<0.005	0.0014 (J)	0.0347	
10/24/2016	0.0012 (J)				
10/25/2016		<0.005	<0.005	0.0282	
12/7/2016	0.0041 (J)	<0.005	0.0023 (J)		
12/8/2016				0.0373	
1/26/2017	<0.005	<0.005	<0.005	0.0385	
3/22/2017		<0.005	<0.005		
3/23/2017	0.0016 (J)			0.0414	
5/24/2017	<0.005	<0.005			
5/25/2017			<0.005	0.019	
4/3/2018	<0.005	<0.005	<0.005	0.029	
6/5/2018				0.038	
6/6/2018	<0.005	<0.005	<0.005		
10/3/2018	<0.005	<0.005	<0.005	0.017	
3/14/2019	<0.005			0.016	
3/15/2019		<0.005	<0.005		<0.005
4/4/2019	0.00021 (J)	8.9E-05 (J)			<0.005
4/5/2019			9.3E-05 (J)	0.0018 (J)	
9/24/2019	<0.005				
9/25/2019		<0.005	<0.005	0.02	<0.005
3/3/2020	<0.005	<0.005	<0.005	0.014	<0.005
3/26/2020	<0.005				
3/30/2020		<0.005			
3/31/2020			<0.005	0.019	
4/1/2020					<0.005
6/17/2020					<0.005
9/15/2020				0.059	
9/16/2020			<0.005		
9/17/2020	<0.005	<0.005			
9/21/2020					<0.005
2/10/2021		<0.005			
2/11/2021			<0.005	0.023	<0.005
2/12/2021	<0.005				
3/16/2021	<0.005				
3/17/2021		<0.005			
3/18/2021			<0.005	0.019 (J)	<0.005
8/18/2021			<0.005		
8/19/2021	<0.005	<0.005		0.01	<0.005
2/8/2022	<0.005	<0.005	<0.005	0.0082	<0.005
8/10/2022		<0.005	<0.005	0.0096	
8/11/2022	<0.005				<0.005
1/27/2023					<0.005
1/30/2023			<0.005		
2/1/2023	<0.005	<0.005		0.0054	
8/12/2023					<0.005
8/13/2023	<0.005	<0.005	<0.005	0.0085	
2/17/2024	<0.005		<0.005		
2/18/2024		<0.005		0.013	<0.005
8/8/2024	<0.005		<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
8/9/2024		<0.005		0.0022 (J)	<0.005
2/16/2025			0.002 (J)		
2/17/2025	<0.005	0.0015 (J)			
2/18/2025				0.0054	<0.005
8/8/2025	<0.005	0.0015 (J)	0.0014 (J)	0.0026 (J)	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-51
4/1/2020	0.011			
6/17/2020	0.014			
6/18/2020		0.0025 (J)	0.014	
9/21/2020	0.041		0.037	
9/23/2020		<0.005		
2/12/2021	0.011			
2/15/2021			0.01	
3/18/2021	0.028			
3/19/2021			0.016 (J)	
8/16/2021		<0.005		
8/18/2021	0.014		0.014	0.004 (J)
2/8/2022	0.0078		0.0083	<0.005
2/9/2022		<0.005		
8/10/2022	0.007 (J)	<0.005		
8/11/2022			0.0089 (J)	0.0023 (J)
1/27/2023	0.015			
1/30/2023		0.0016 (J)		
2/1/2023			0.0063	0.0021 (J)
8/12/2023		<0.005	0.0058	<0.005
8/13/2023	0.0065			
2/18/2024	0.011	<0.005		
2/19/2024			0.0057	0.0019 (J)
8/9/2024	0.0056		0.0053	0.0014 (J)
8/10/2024		0.001 (J)		
2/16/2025	0.01			
2/18/2025		0.0049 (J)		
3/6/2025			0.0064	0.0068
8/8/2025	0.0062	0.0032 (J)	0.0057	0.0036 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)
5/19/2016	66.9	48.6	42.3	1.22	25
7/11/2016	41	45		3.7	27
7/12/2016			44		
8/30/2016	36	42	40	6.8	23
10/19/2016	46	44	43	11	
10/20/2016					19
12/6/2016	59	44	43	13	
12/8/2016					20
1/24/2017	46	46	48	5.7	20
3/21/2017	63	46	45	1.7	23
5/22/2017	77	48	46		
5/23/2017				1.5	21
10/3/2017	42	47	48	1.3	21
6/4/2018	71.8	47.8	46.6	4.9	
6/5/2018					22.9
10/1/2018	49.1	48.1	48.6	0.59 (J)	
10/2/2018					20.3
4/1/2019			50.4		
4/2/2019	84.3	48.7		4.9	23.8
9/23/2019	70.2	47.2	43.9		
9/24/2019				<1	20.7
3/25/2020	85.9	46.3	50.5		
3/26/2020				<1	21.6
6/16/2020	88.2		49.5		
9/15/2020	47.3	51.5	44.7	<1	21.2
3/10/2021	49.6			1.2	
3/11/2021		52.9	50.4		22.7
8/11/2021	48.9				
8/12/2021		47.4	38.6	1.1	17.4
2/1/2022	43.7	67.1	46		
2/7/2022				2.9	20.6
8/2/2022	58.1	86.9	43.5	4.9	
8/10/2022					19.7
1/23/2023			39.5	42.5	
1/24/2023	48.3	79.7			
1/27/2023					22.7
8/8/2023	67.7	89.9	35	16.8	32.7
2/13/2024	50.4	93.9	35.5	64.6	21.8
8/5/2024	49.4	87.2	31.1		
8/6/2024				28.1	17.4
2/12/2025	43.8		28	35.2	
2/14/2025		94.5			18.2
8/5/2025	57.6	74	24.9	46.3	19.1

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
5/20/2016	34.4				
5/23/2016					1070
7/11/2016	34				
7/12/2016					1300
8/30/2016	36				
9/1/2016					1300
10/20/2016	36				
10/24/2016					280
12/7/2016					1300
12/8/2016	36				
1/24/2017	37				
1/26/2017					1400
3/21/2017	37				
3/23/2017					1500
5/23/2017	38				
5/24/2017					1400
10/3/2017	38				
10/4/2017					1400
6/5/2018	38				
6/6/2018					1520
10/2/2018	38.5				
10/3/2018					1550
4/2/2019	35.5				
4/5/2019					1520
9/24/2019	35.4				1110
3/25/2020	35.1				
3/30/2020					1150
9/15/2020	35.3				
9/16/2020			43	24.95 (D)	
9/17/2020		10.9			
9/18/2020					1260
11/10/2020			39	6.3	
11/11/2020		9.4			
12/15/2020		10.9	38.8	6.7	
1/19/2021			37.3	7.4	
1/20/2021		9.8			
3/10/2021		10.8		<1	
3/11/2021	35.5		38.6		
3/17/2021					1300
8/11/2021			30.5		
8/12/2021	28.6	7.8			
8/13/2021				56.1	
8/18/2021					768
2/1/2022			37.5	56.3	
2/7/2022	33	10.4			
2/9/2022					1190
8/2/2022			37	13.2	
8/9/2022		11.2			
8/10/2022	34				
8/11/2022					1200
1/23/2023		11.1			
1/24/2023			34.7	10.1	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
1/27/2023	35				
2/1/2023					1060
8/8/2023	18.8	10.5	25.6	1.3	
8/13/2023					935
2/13/2024	35.3	17.1	28.9	2	
2/17/2024					898
8/6/2024	33.5	11.5	25.5	0.86 (J)	
8/10/2024					854
2/12/2025			25.2	0.51 (J)	
2/14/2025	30.8	11.6			
2/18/2025					790
8/5/2025	33.4	10.8	22.4	0.85 (J)	
8/8/2025					683

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
5/23/2016	424	203	395		
5/24/2016				834	
7/12/2016	440	220	460	930	
9/1/2016	440	220	430	890	
10/24/2016	420				
10/25/2016		230	440	950	
12/7/2016	450	220	410		
12/8/2016				910	
1/26/2017	490	250	440	970	
3/22/2017		240	460		
3/23/2017	530			980	
5/24/2017	500	230			
5/25/2017			430	920	
10/4/2017	560	220	490	870	
6/5/2018				962	
6/6/2018	469	233	520		
10/3/2018	600	215	651	1170	
4/4/2019	528	251			915
4/5/2019			642	1030	
9/24/2019	382				
9/25/2019		223	434	920	767
3/26/2020	438				
3/30/2020		223			
3/31/2020			484	934	
4/1/2020					889
6/17/2020					901
9/15/2020				1080	
9/16/2020			467		
9/17/2020	416	254			
9/21/2020					1010
2/10/2021				1040	
3/16/2021	379				
3/17/2021		250			
3/18/2021			447	1050	829
8/18/2021			280		
8/19/2021	223	228		934	724
2/8/2022	360	238	364	960	779
8/10/2022		206	423	946	
8/11/2022	365				910
1/27/2023					646
1/30/2023			451		
2/1/2023	341	257		776	
8/12/2023					276
8/13/2023	281	214	351	895	
2/17/2024	305		260		
2/18/2024		220		755	150
8/8/2024	286		238		
8/9/2024		190		413	103
2/16/2025			224		
2/17/2025	277	200			
2/18/2025				289	121
8/8/2025	255	185	271	350	81.3

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-51
1/22/2020	1250			
4/1/2020	1210			
6/17/2020	1210			
6/18/2020		1100	1160	
9/21/2020	1290		1220	
9/23/2020		1080		
3/18/2021	1360			
3/19/2021			1220	
8/16/2021		987		
8/18/2021	740		789	757
2/8/2022	1220		1190	1150
2/9/2022		1050		
8/10/2022	1010	1040		
8/11/2022			1020	979
1/27/2023	895			
1/30/2023		1120		
2/1/2023			1190	1110
8/12/2023		948	1090	1040
8/13/2023	970			
2/18/2024	820	918		
2/19/2024			1060	1010
8/9/2024	848		1030	934
8/10/2024		825		
2/16/2025	578			
2/18/2025		620		
3/6/2025			942	832
8/8/2025	770	651	760	740

Time Series

Constituent: TDS (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)
5/19/2016	421	143	267	165	168
7/11/2016	363	125		266	158
7/12/2016			249		
8/30/2016	330	168	254	292	141
10/19/2016	380	176	357	338	
10/20/2016					99
12/6/2016	377	145	285	356	
12/8/2016					116
1/24/2017	342	129	300	131	156
3/21/2017	340	103	288	132	144
5/22/2017	338	92	263		
5/23/2017				183	134
10/3/2017	343	127	300	161	147
6/4/2018	415	140	266	240	
6/5/2018					152
10/1/2018	354	135	291	106	
10/2/2018					146
4/1/2019			284		
4/2/2019	452	133		230	144
9/23/2019	442	129	268		
9/24/2019				131	133
3/25/2020	496	138	284		
3/26/2020				69	104
6/16/2020	632		448		
9/15/2020	265	124	258	93	116
3/10/2021	348			53	
3/11/2021		169	267		118
8/11/2021	366				
8/12/2021		118	265	55	158
2/1/2022	270	156	350		
2/7/2022				54	135
8/2/2022	400	196	287	48	
8/10/2022					134
1/23/2023			293	128	
1/24/2023	369	164			
1/27/2023					182
8/8/2023	457	189	285	141	225
2/13/2024	402	214	284	176	155
8/5/2024	444	217	304		
8/6/2024				159	141
2/12/2025	374		267	128	
2/14/2025		242			126
8/5/2025	416	160	265	156	143

Time Series

Constituent: TDS (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
5/20/2016	223				
5/23/2016					4130
7/11/2016	225				
7/12/2016					3140
8/30/2016	232				
9/1/2016					3200
10/20/2016	225				
10/24/2016					2920
12/7/2016					2740
12/8/2016	235				
1/24/2017	272				
1/26/2017					3080
3/21/2017	222				
3/23/2017					3060
5/23/2017	231				
5/24/2017					3140
10/3/2017	243				
10/4/2017					3210
6/5/2018	235				
6/6/2018					2620
10/2/2018	228				
10/3/2018					2430
4/2/2019	238				
4/5/2019					2310
9/24/2019	222				2470
3/25/2020	240				
3/30/2020					2590
9/15/2020	217				
9/16/2020			272	270	
9/17/2020		188			
9/18/2020					2440
11/10/2020			307	287	
11/11/2020		175			
12/15/2020		193	289	295	
1/19/2021			270	278	
1/20/2021		158			
3/10/2021		163		289	
3/11/2021	215		279		
3/17/2021					1640
8/11/2021			277		
8/12/2021	229	179			
8/13/2021				436	
8/18/2021					2350
2/1/2022			156	444	
2/7/2022	224	190			
2/9/2022					2310
8/2/2022			278	311	
8/9/2022		182			
8/10/2022	217				
8/11/2022					1060
1/23/2023		168			
1/24/2023			271	363	

Time Series

Constituent: TDS (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
1/27/2023	229				
2/1/2023					1950
8/8/2023	125	175	274	361	
8/13/2023					1960
2/13/2024	240	212	291	379	
2/17/2024					1720
8/6/2024	247	191	283	380	
8/10/2024					1780
2/12/2025			273	363	
2/14/2025	225	192			
2/18/2025					1600
8/5/2025	237	182	282	370	
8/8/2025					1350

Time Series

Constituent: TDS (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
5/23/2016	1270	570	1010		
5/24/2016				1900	
7/12/2016	1100	585	976	1950	
9/1/2016	1180	625	1060	2000	
10/24/2016	1090				
10/25/2016		563	<25	1870	
12/7/2016	1040	561	866		
12/8/2016				1930	
1/26/2017	1260	608	1000	1950	
3/22/2017		599	1080		
3/23/2017	1360			2080	
5/24/2017	1320	598			
5/25/2017			1080	1970	
10/4/2017	1340	626	1210	2200	
6/5/2018				1880	
6/6/2018	1120	678	1180		
10/3/2018	1140	700	1250	2180	
4/4/2019	926	704			1800
4/5/2019			1260	1610	
9/24/2019	1105 (D)				
9/25/2019		813	1280	1955 (D)	1970
3/26/2020	1000				
3/30/2020		787			
3/31/2020			1310	1860	
4/1/2020					1940
6/17/2020					2100
9/15/2020				1890	
9/16/2020			1220		
9/17/2020	956	804			
9/21/2020					2060
3/16/2021	92				
3/17/2021		768			
3/18/2021			1020	1390	1390
8/18/2021			1290		
8/19/2021	958	816		1750	1920
2/8/2022	866	852	1160	1770	1810
8/10/2022		894	1390	1890	
8/11/2022	940				356
1/27/2023					1420
1/30/2023			1320		
2/1/2023	892	1030		1430	
8/12/2023					2200
8/13/2023	881	861	1180	1700	
2/17/2024	830		815		
2/18/2024		755		1360	477
8/8/2024	890		768		
8/9/2024		766		864	397
2/16/2025			670		
2/17/2025	764	768			
2/18/2025				598	419
8/8/2025	810	728	880	710	342

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: TDS (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-51
1/22/2020	2310			
4/1/2020	2590			
6/17/2020	2540			
6/18/2020		2320	2310	
9/21/2020	2340		2210	
9/23/2020		2430		
3/18/2021	1790			
3/19/2021			1690	
8/16/2021		2340		
8/18/2021	3690		2390	2610
2/8/2022	2480		2410	2430
2/9/2022		2260		
8/10/2022	2050	2310		
8/11/2022			1070	2080
1/27/2023	1570			
1/30/2023		2230		
2/1/2023			2410	2090
8/12/2023		837	2290	2220
8/13/2023	1910			
2/18/2024	2160	2010		
2/19/2024			2120	2040
8/9/2024	1670		2220	2130
8/10/2024		1980		
2/16/2025	1060			
2/18/2025		1630		
3/6/2025			2060	1750
8/8/2025	1540	1700	1480	1600

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-5 (bg)
5/19/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
7/11/2016	<0.0005	<0.0005		<0.0005	<0.0005
7/12/2016			<0.0005		
8/30/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
10/19/2016	<0.0005	<0.0005	<0.0005	<0.0005	
10/20/2016					<0.0005
12/6/2016	<0.0005	<0.0005	<0.0005	<0.0005	
12/8/2016					<0.0005
1/24/2017	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/21/2017	<0.0005	3E-05 (J)	<0.0005	<0.0005	<0.0005
5/22/2017	<0.0005	<0.0005	<0.0005		
5/23/2017				<0.0005	<0.0005
4/2/2018	<0.0005	<0.0005		<0.0005	
4/3/2018			<0.0005		<0.0005
6/4/2018	<0.0005	<0.0005	<0.0005	<0.0005	
6/5/2018					<0.0005
10/1/2018	<0.0005	<0.0005	<0.0005	<0.0005	
10/2/2018					<0.0005
3/11/2019				<0.0005	
3/12/2019	<0.0005	<0.0005	<0.0005		<0.0005
4/1/2019			<0.0005		
4/2/2019	<0.0005	<0.0005		<0.0005	<0.0005
9/23/2019	<0.0005	<0.0005	<0.0005		
9/24/2019				<0.0005	<0.0005
3/2/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/25/2020	<0.0005	<0.0005	<0.0005		
3/26/2020				<0.0005	<0.0005
8/25/2020		<0.0005	<0.0005		
8/28/2020	<0.0005				
9/15/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/8/2021	<0.0005			<0.0005	
2/9/2021		<0.0005	<0.0005		<0.0005
3/10/2021	<0.0005			<0.0005	
3/11/2021		<0.0005	<0.0005		<0.0005
8/11/2021	<0.0005				
8/12/2021		<0.0005	<0.0005	<0.0005	<0.0005
2/1/2022	<0.0005	<0.0005	<0.0005		
2/7/2022				<0.0005	<0.0005
8/2/2022	<0.0005	<0.0005	<0.0005	<0.0005	
8/10/2022					<0.0005
1/23/2023			<0.0005	<0.0005	
1/24/2023	<0.0005	<0.0005			
1/27/2023					<0.0005
8/8/2023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/13/2024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/5/2024	<0.0005	<0.0005	<0.0005		
8/6/2024				<0.0005	<0.0005
2/12/2025	<0.0005		<0.0005	<0.0005	
2/14/2025		<0.0005			<0.0005
8/5/2025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
5/20/2016	<0.0005				
5/23/2016					0.000306 (J)
7/11/2016	<0.0005				
7/12/2016					0.0003 (J)
8/30/2016	<0.0005				
9/1/2016					0.0003 (J)
10/20/2016	<0.0005				
10/24/2016					0.0004 (J)
12/7/2016					0.0003 (J)
12/8/2016	<0.0005				
1/24/2017	<0.0005				
1/26/2017					0.0003 (J)
3/21/2017	<0.0005				
3/23/2017					0.0003 (J)
5/23/2017	<0.0005				
5/24/2017					0.0003 (J)
4/3/2018	<0.0005				
4/4/2018					0.00028 (J)
6/5/2018	<0.0005				
6/6/2018					0.00029 (J)
10/2/2018	<0.0005				
10/3/2018					0.00029 (J)
3/12/2019	<0.0005				
3/14/2019					0.00028 (J)
4/2/2019	<0.0005				
4/5/2019					0.00028 (J)
9/24/2019	<0.0005				0.0003 (J)
3/2/2020	<0.0005				
3/3/2020					0.00026 (J)
3/25/2020	5.7E-05 (J)				
3/30/2020					0.00028 (J)
9/15/2020	<0.0005				
9/16/2020			<0.0005	<0.0005	
9/17/2020		<0.0005			
9/18/2020					0.00028 (J)
11/10/2020			<0.0005	<0.0005	
11/11/2020		<0.0005			
12/15/2020		<0.0005	<0.0005	<0.0005	
1/19/2021			<0.0005	<0.0005	
1/20/2021		<0.0005			
2/8/2021		<0.0005			
2/9/2021	<0.0005		<0.0005	<0.0005	
2/11/2021					0.00026 (J)
3/10/2021		<0.0005		<0.0005	
3/11/2021	<0.0005		<0.0005		
3/17/2021					0.00034 (J)
8/11/2021			<0.0005		
8/12/2021	<0.0005	<0.0005			
8/13/2021				<0.0005	
8/18/2021					0.00027 (J)
2/1/2022			<0.0005	<0.0005	
2/7/2022	<0.0005	<0.0005			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-6 (bg)	HGWA-42D (bg)	HGWA-43D (bg)	HGWA-44D (bg)	HGWC-14
2/9/2022					0.00025 (J)
8/2/2022			<0.0005	<0.0005	
8/9/2022		<0.0005			
8/10/2022	<0.0005				
8/11/2022					0.00024 (J)
1/23/2023		<0.0005			
1/24/2023			<0.0005	<0.0005	
1/27/2023	<0.0005				
2/1/2023					0.00047 (J)
8/8/2023	<0.0005	<0.0005	<0.0005	<0.0005	
8/13/2023					0.00026 (J)
2/13/2024	<0.0005	<0.0005	<0.0005	<0.0005	
2/17/2024					<0.001
8/6/2024	<0.0005	<0.0005	<0.0005	<0.0005	
8/10/2024					<0.001
2/12/2025			<0.0005	<0.0005	
2/14/2025	<0.0005	<0.0005			
2/18/2025					0.00029 (J)
8/5/2025	<0.0005	<0.0005	<0.0005	<0.0005	
8/8/2025					0.00027 (J)

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
5/23/2016	<0.0005	<0.0005	<0.0005		
5/24/2016				<0.0005	
7/12/2016	<0.0005	<0.0005	0.0001 (J)	0.0002 (J)	
9/1/2016	<0.0005	<0.0005	<0.0005	<0.0005	
10/24/2016	<0.0005				
10/25/2016		<0.0005	<0.0005	<0.0005	
12/7/2016	<0.0005	<0.0005	<0.0005		
12/8/2016				<0.0005	
1/26/2017	<0.0005	<0.0005	<0.0005	<0.0005	
3/22/2017		<0.0005	0.0001 (J)		
3/23/2017	<0.0005			0.0002 (J)	
5/24/2017	<0.0005	<0.0005			
5/25/2017			0.0001 (J)	0.0002 (J)	
4/3/2018	<0.0005	<0.0005	<0.0005	0.00014 (J)	
6/5/2018				0.00016 (J)	
6/6/2018	<0.0005	<0.0005	<0.0005		
10/3/2018	<0.0005	<0.0005	<0.0005	<0.0005	
3/14/2019	<0.0005			<0.0005	
3/15/2019		<0.0005	<0.0005		<0.0005
4/4/2019	<0.0005	<0.0005			<0.0005
4/5/2019			0.00013 (J)	0.00014 (J)	
9/24/2019	<0.0005				
9/25/2019		<0.0005	0.00012 (J)	0.00019 (J)	<0.0005
3/3/2020	<0.0005	<0.0005	0.00011 (J)	0.00013 (J)	<0.0005
3/26/2020	<0.0005				
3/30/2020		<0.0005			
3/31/2020			0.00014 (J)	0.00015 (J)	
4/1/2020					<0.0005
6/17/2020					<0.0005
9/15/2020				0.00016 (J)	
9/16/2020			<0.0005		
9/17/2020	<0.0005	<0.0005			
9/21/2020					<0.0005
2/10/2021		<0.0005			
2/11/2021			<0.0005	<0.0005	<0.0005
2/12/2021	<0.0005				
3/16/2021	<0.0005				
3/17/2021		<0.0005			
3/18/2021			<0.0005	0.00016 (J)	<0.0005
8/18/2021			<0.0005		
8/19/2021	<0.0005	<0.0005		0.0002 (J)	<0.0005
2/8/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/10/2022		<0.0005	<0.0005	<0.0005	
8/11/2022	<0.0005				<0.0005
1/27/2023					<0.0005
1/30/2023			0.00025 (J)		
2/1/2023	0.00022 (J)	<0.0005		<0.0005	
8/12/2023					<0.0005
8/13/2023	<0.0005	<0.0005	<0.0005	<0.0005	
2/17/2024	<0.0005		<0.0005		
2/18/2024		<0.0005		<0.0005	<0.0005
8/8/2024	<0.0005		<0.0005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-16	HGWC-17	HGWC-18	MW-21D
8/9/2024		<0.0005		<0.0005	<0.0005
2/16/2025			<0.0005		
2/17/2025	<0.0005	<0.0005			
2/18/2025				<0.0005	<0.0005
8/8/2025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

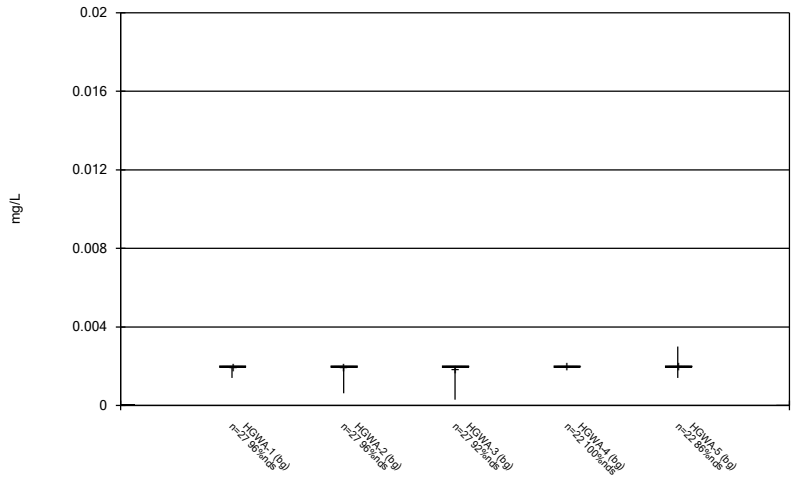
	MW-33	MW-34D	MW-35	MW-51
4/1/2020	0.00029 (J)			
6/17/2020	0.00028 (J)			
6/18/2020		0.00015 (J)	0.00013 (J)	
9/21/2020	0.00029 (J)		<0.0005	
9/23/2020		<0.0005		
2/12/2021	0.00025 (J)			
2/15/2021			<0.0005	
3/18/2021	0.00031 (J)			
3/19/2021			<0.0005	
8/16/2021		<0.0005		
8/18/2021	0.0004 (J)		<0.0005	<0.0005
2/8/2022	0.00025 (J)		<0.0005	<0.0005
2/9/2022		<0.0005		
8/10/2022	<0.001	<0.0005		
8/11/2022			<0.0005	<0.0005
1/27/2023	0.00021 (J)			
1/30/2023		<0.0005		
2/1/2023			<0.0005	<0.0005
8/12/2023		<0.0005	<0.0005	<0.0005
8/13/2023	0.00022 (J)			
2/18/2024	<0.001	<0.0005		
2/19/2024			<0.0005	<0.0005
8/9/2024	<0.001		<0.0005	<0.0005
8/10/2024		<0.0005		
2/16/2025	<0.001			
2/18/2025		<0.0005		
3/6/2025			<0.0005	<0.0005
8/8/2025	0.00023 (J)	<0.0005	<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

FIGURE B.

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

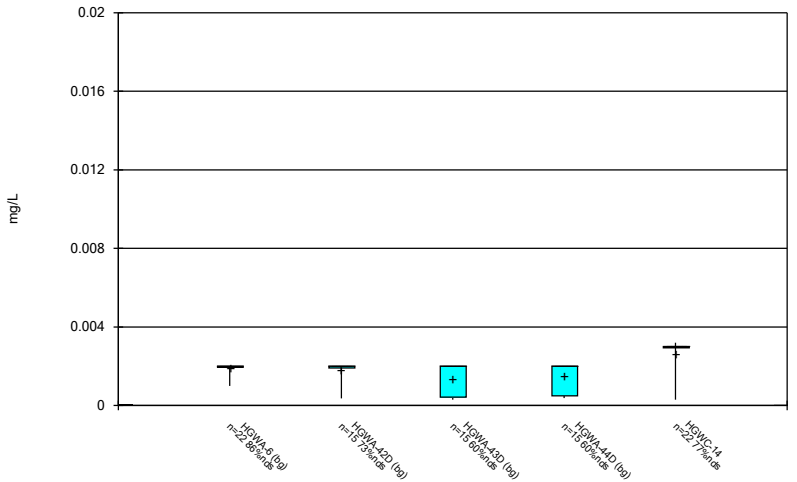


Constituent: Antimony Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

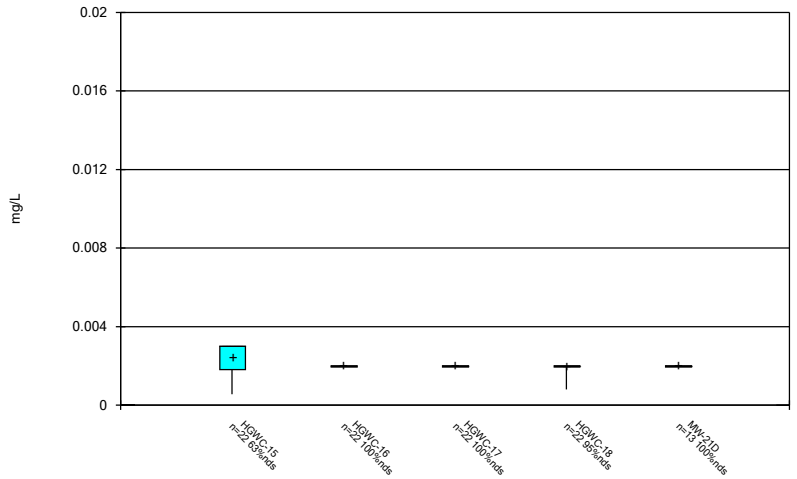


Constituent: Antimony Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

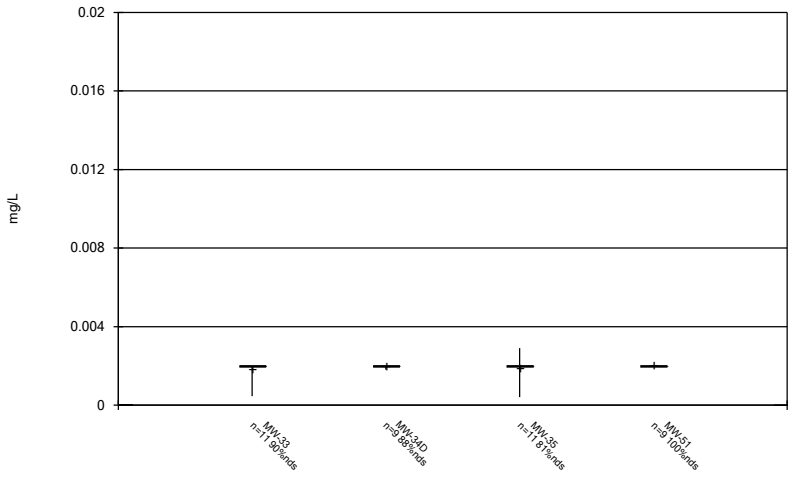


Constituent: Antimony Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

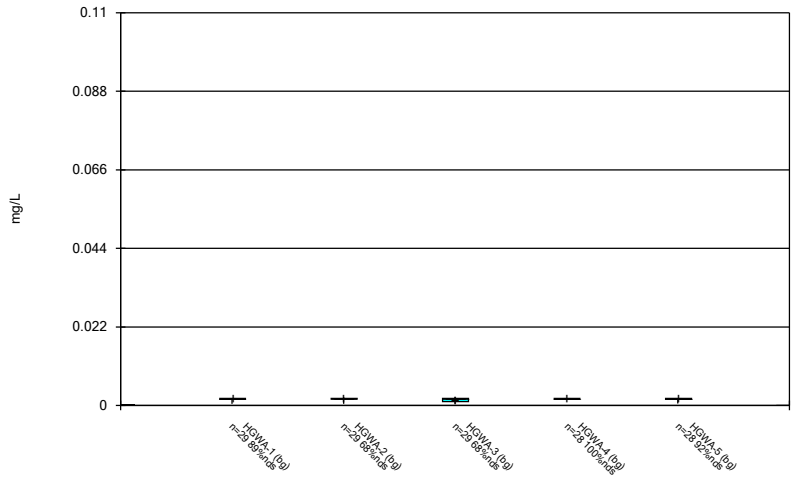
Box & Whiskers Plot



Constituent: Antimony Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Box & Whiskers Plot

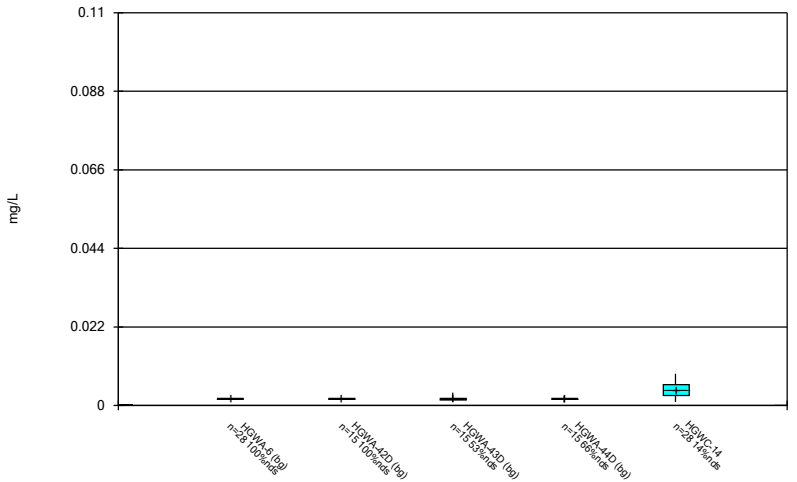


Constituent: Arsenic Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

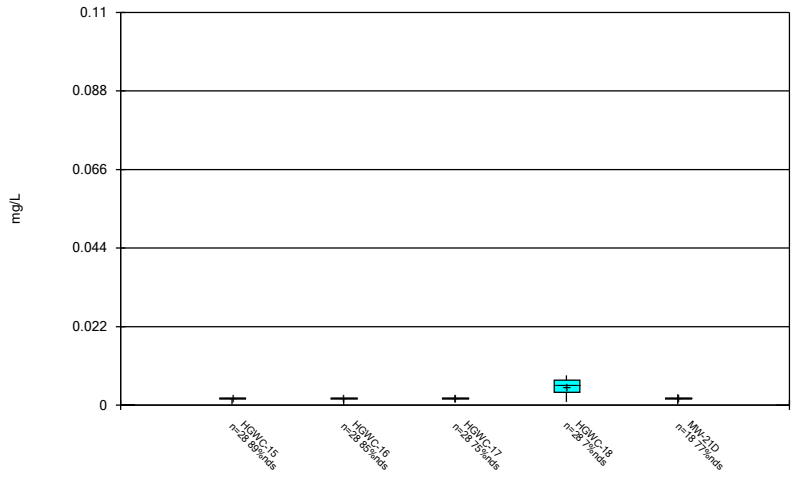


Constituent: Arsenic Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

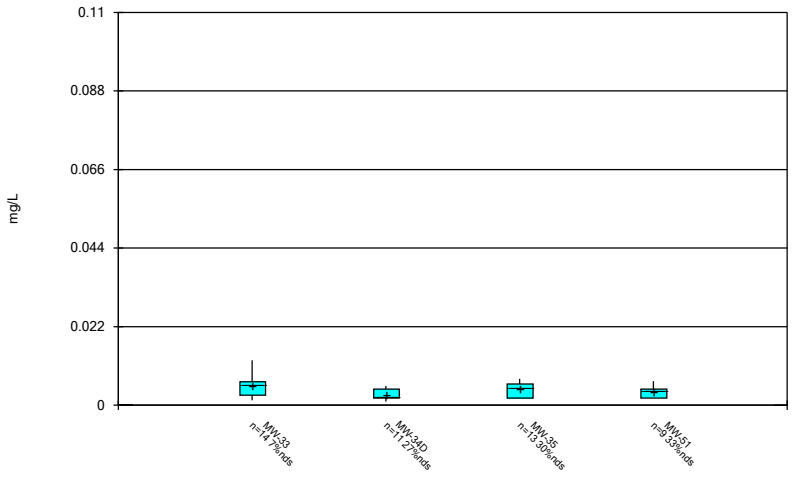


Constituent: Arsenic Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

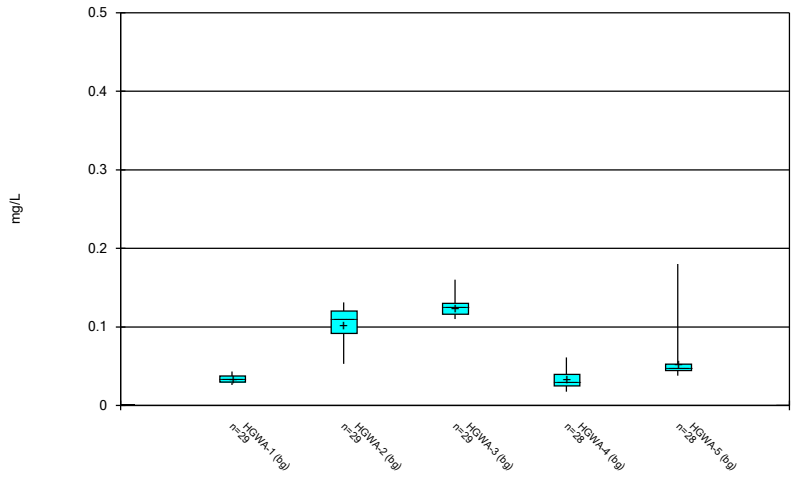
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Box & Whiskers Plot

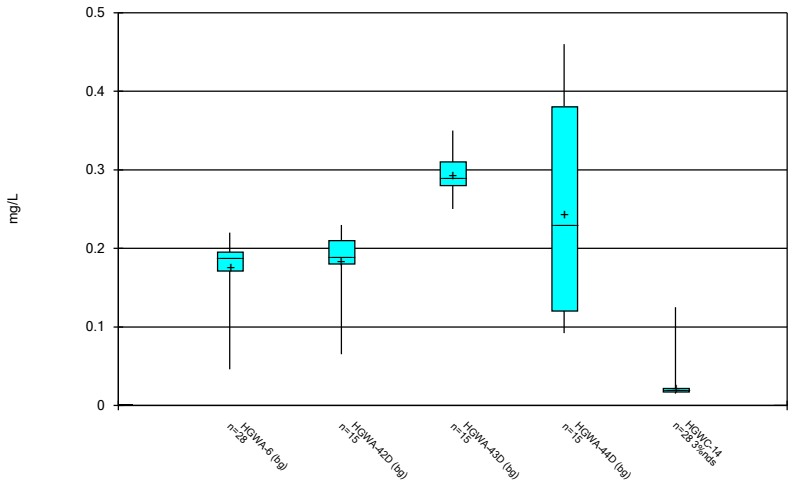


Constituent: Barium Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

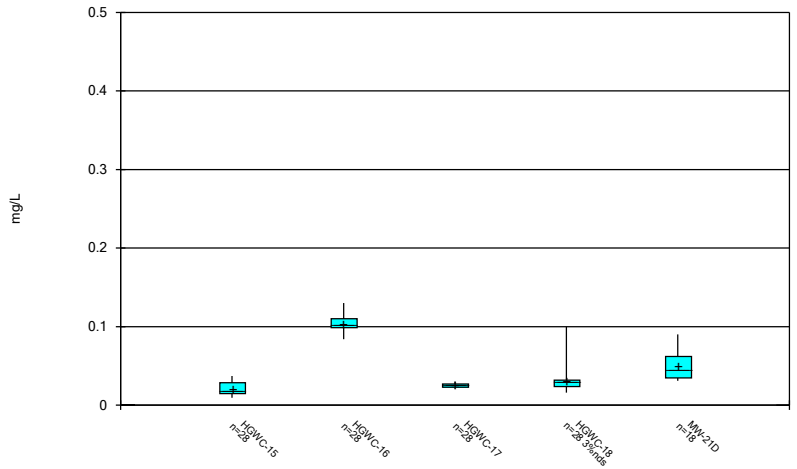


Constituent: Barium Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

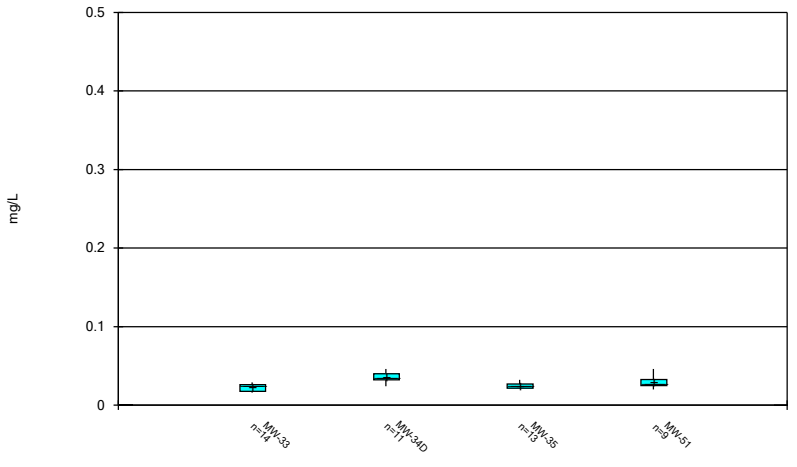


Constituent: Barium Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

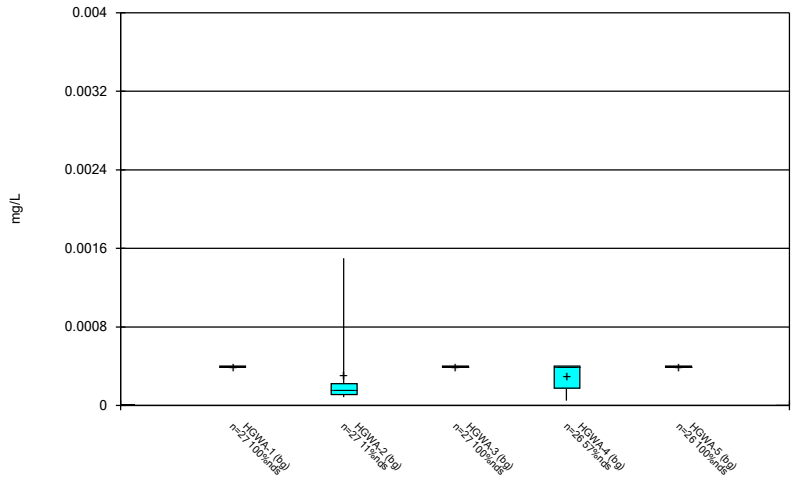
Box & Whiskers Plot



Constituent: Barium Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Box & Whiskers Plot

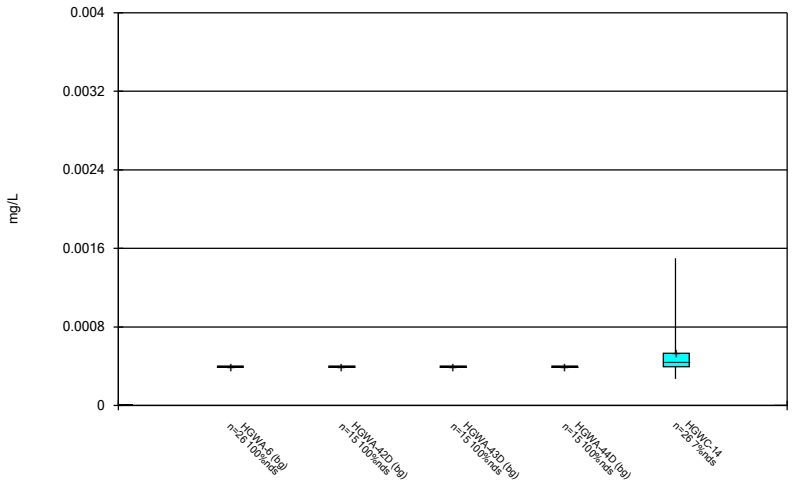


Constituent: Beryllium Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

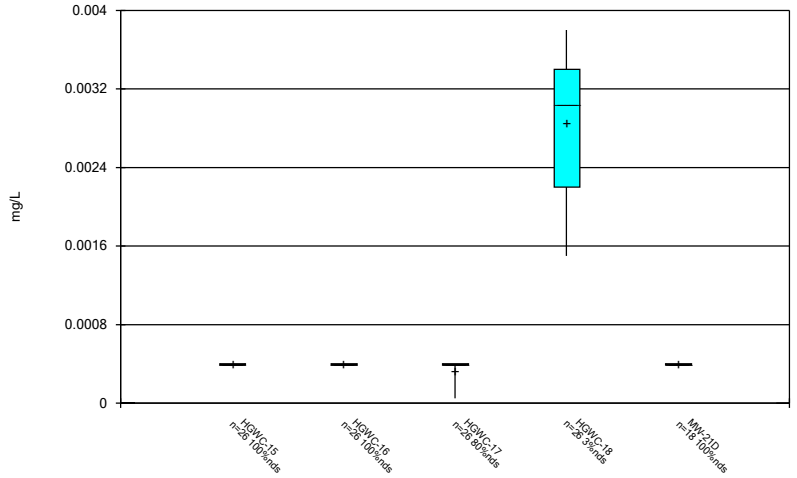


Constituent: Beryllium Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

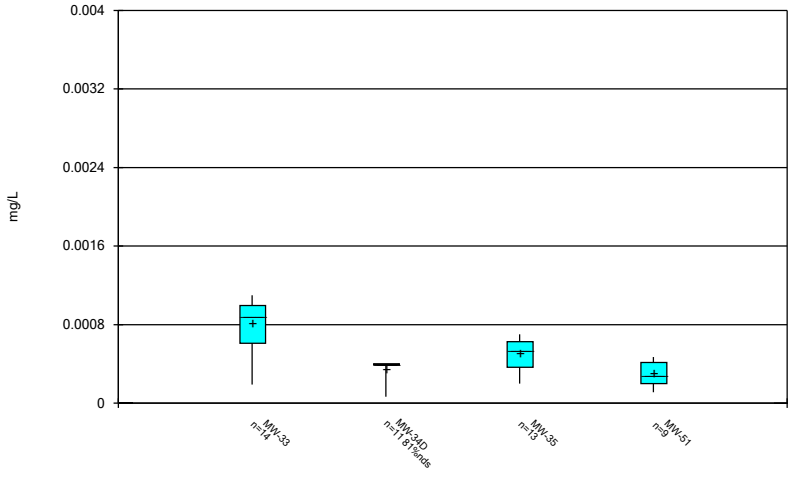


Constituent: Beryllium Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

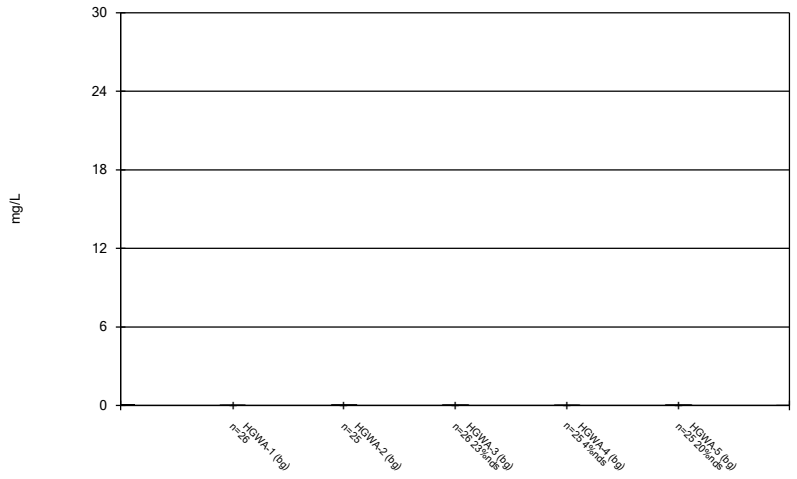
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Box & Whiskers Plot

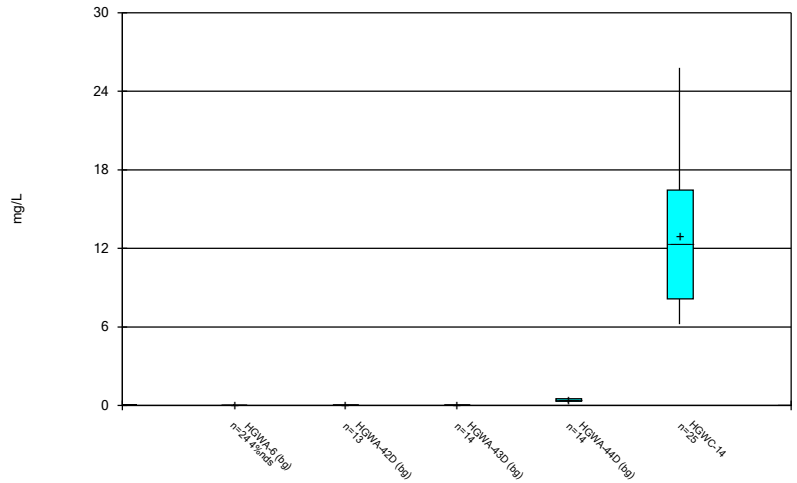


Constituent: Boron Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

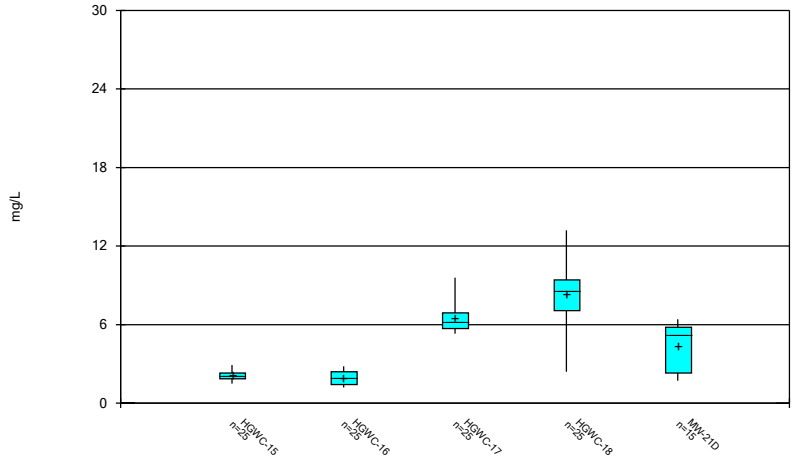


Constituent: Boron Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

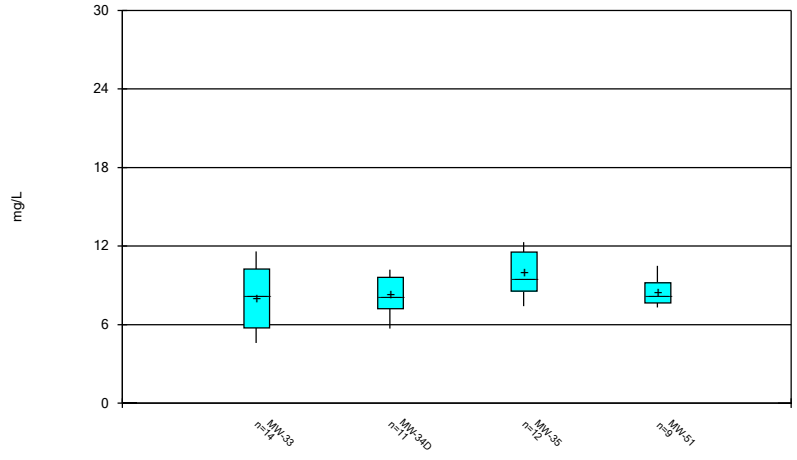


Constituent: Boron Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

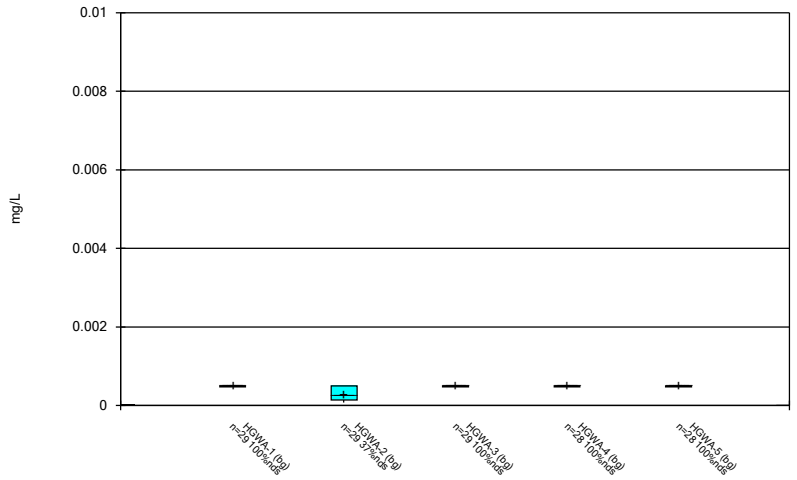
Box & Whiskers Plot



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Plant Hammond Client: Southern Company Data: Hammond AP2

Box & Whiskers Plot

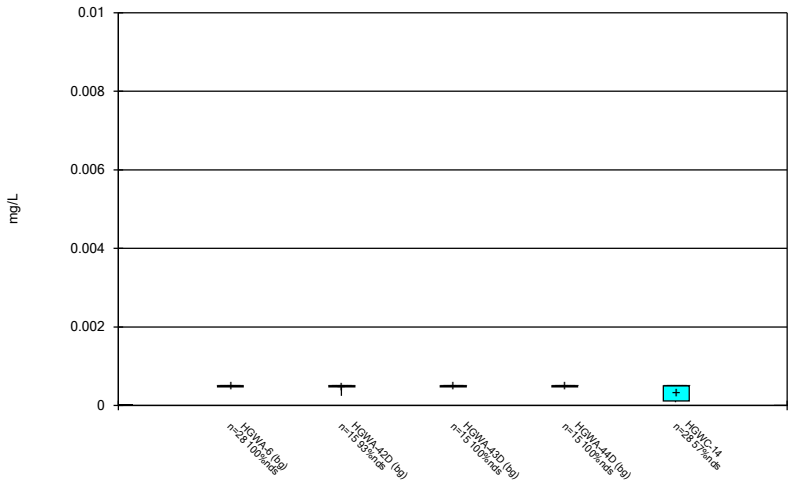


Constituent: Cadmium Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

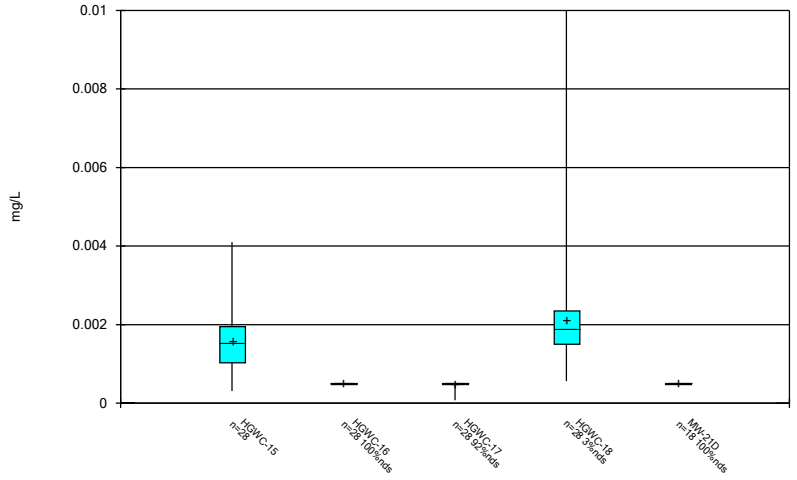


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Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

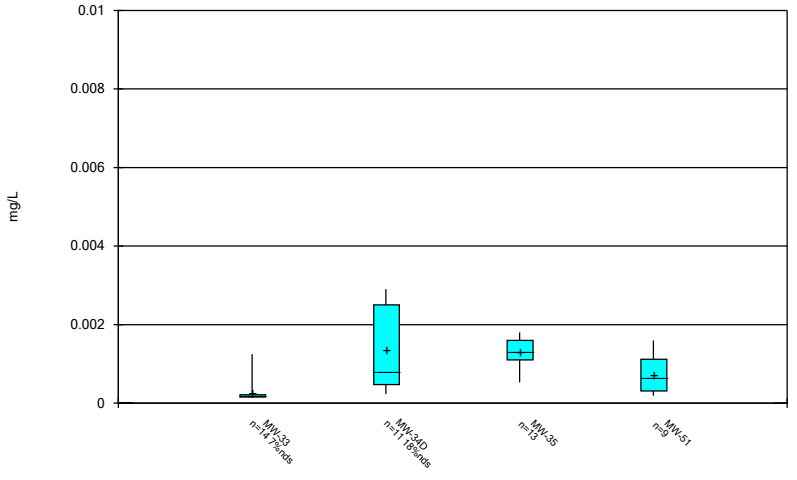


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Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

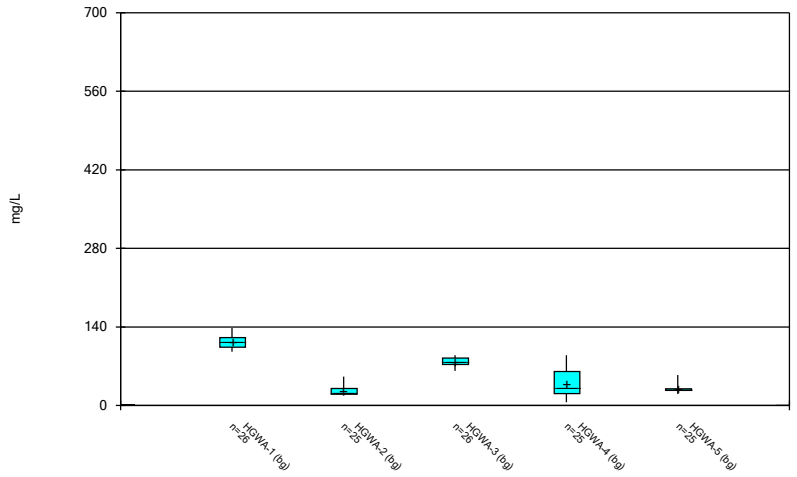
Box & Whiskers Plot



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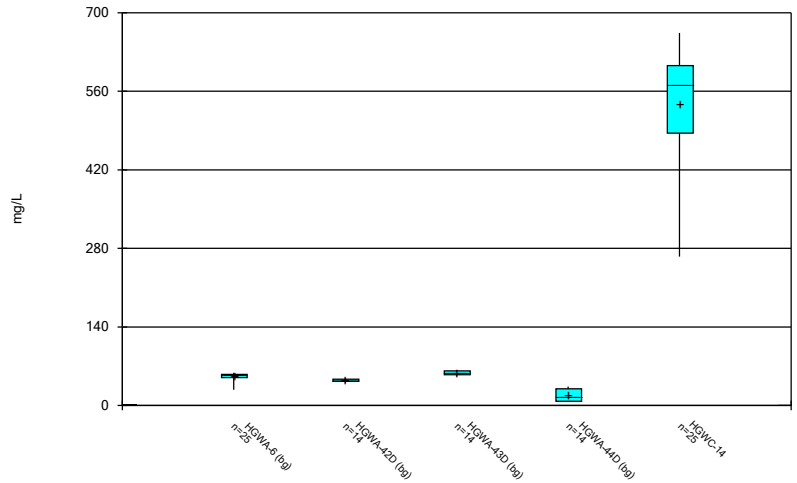
Box & Whiskers Plot



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Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

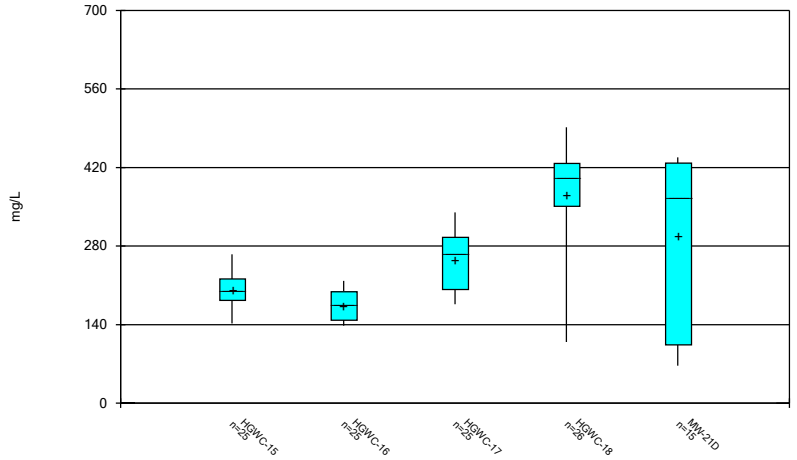
Box & Whiskers Plot



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Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

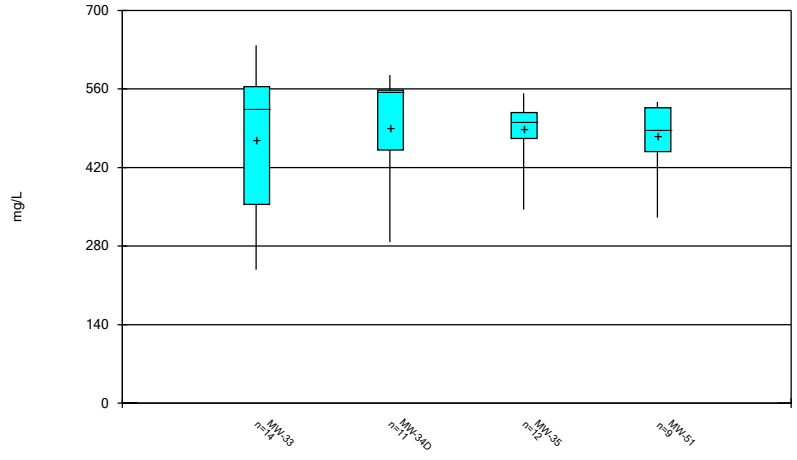
Box & Whiskers Plot



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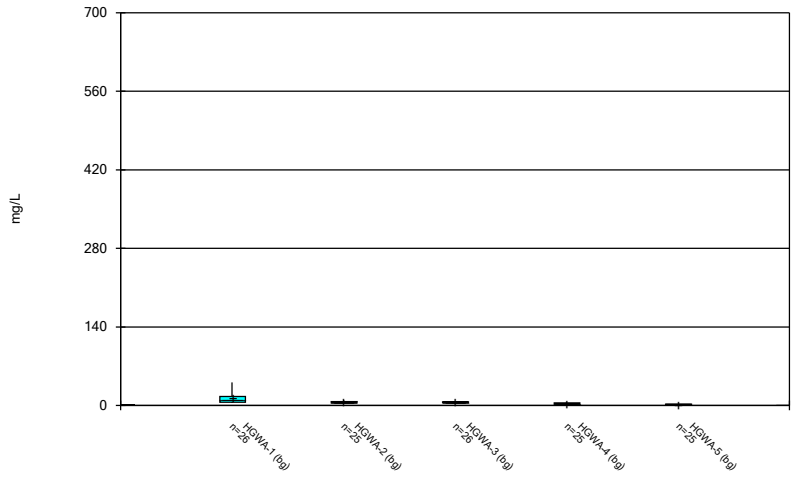
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Box & Whiskers Plot



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Plant Hammond Client: Southern Company Data: Hammond AP2

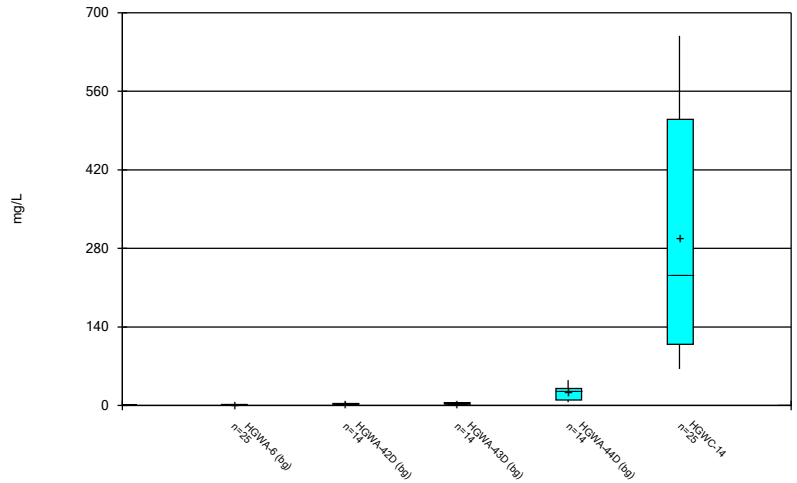
Box & Whiskers Plot



Constituent: Chloride Analysis Run 10/16/2025 3:59 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

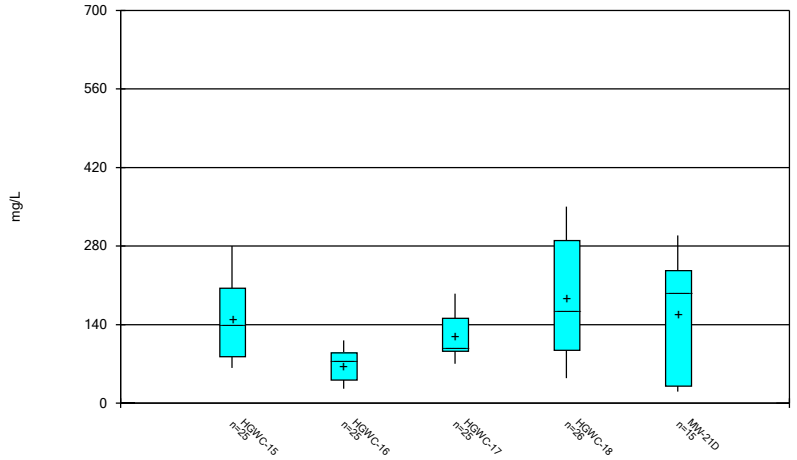
Box & Whiskers Plot



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Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

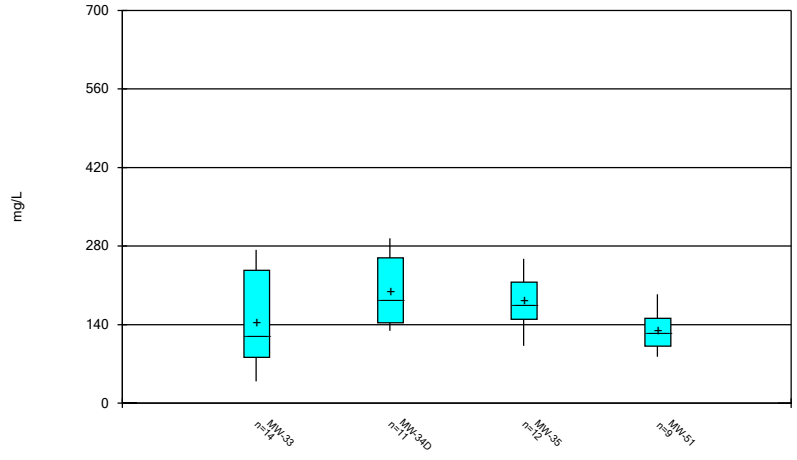
Box & Whiskers Plot



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Plant Hammond Client: Southern Company Data: Hammond AP2

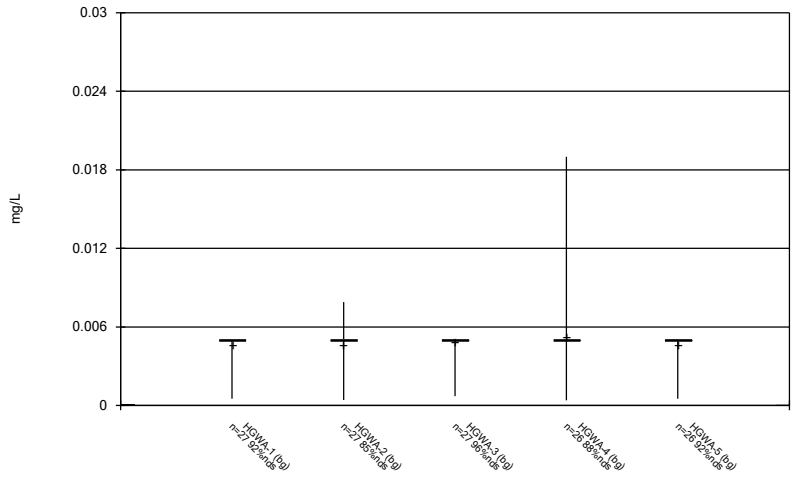
Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Chloride Analysis Run 10/16/2025 3:59 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Box & Whiskers Plot

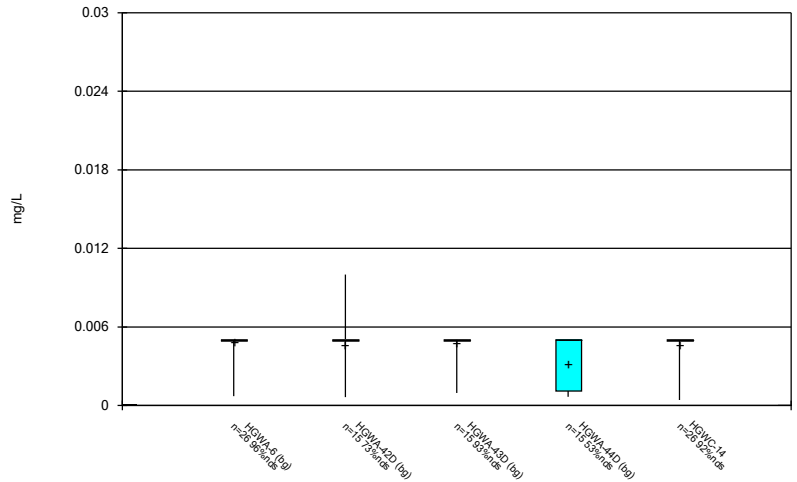


Constituent: Chromium Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

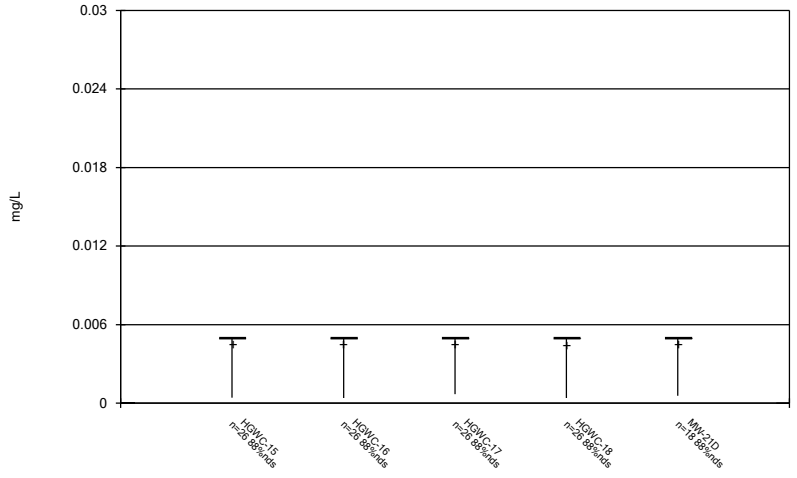


Constituent: Chromium Analysis Run 10/16/2025 3:59 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

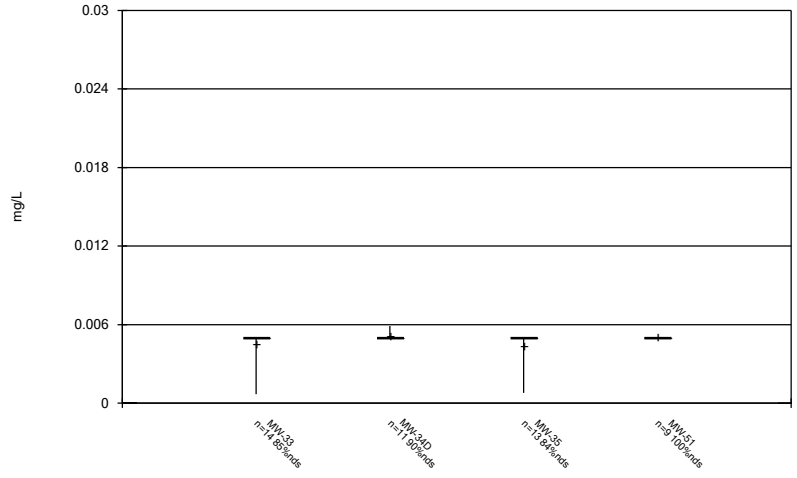


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Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

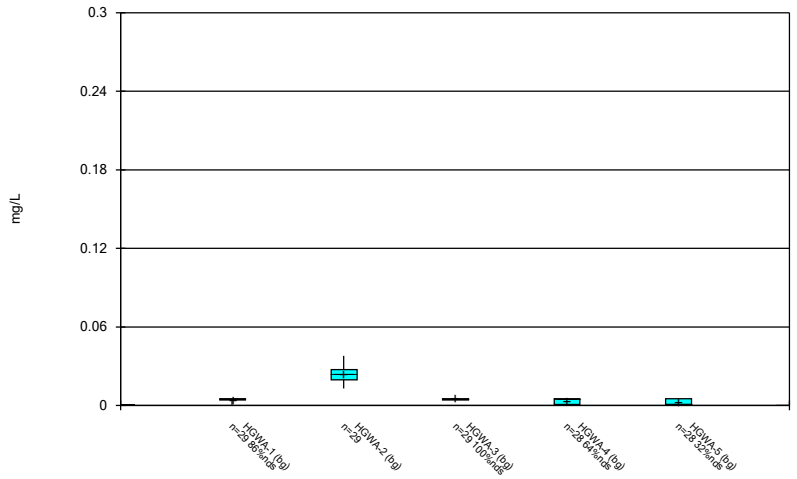
Box & Whiskers Plot



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Plant Hammond Client: Southern Company Data: Hammond AP2

Box & Whiskers Plot

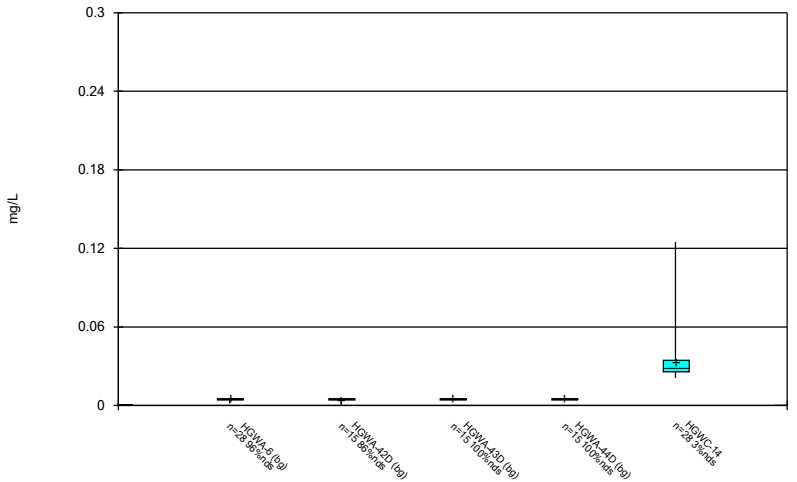


Constituent: Cobalt Analysis Run 10/16/2025 4:00 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

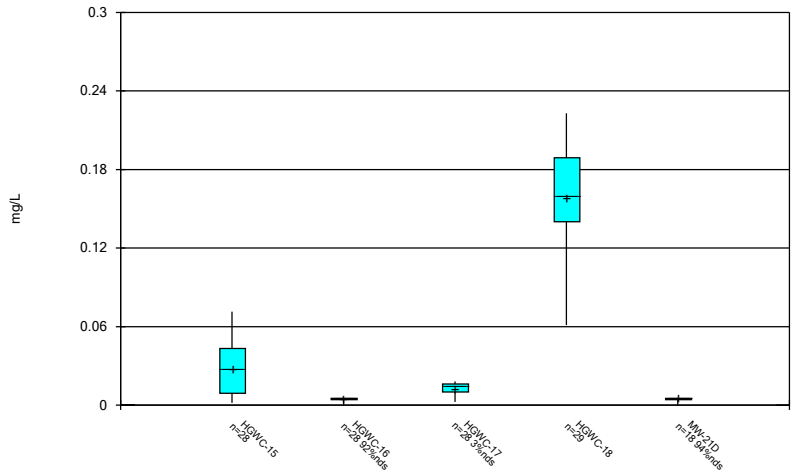


Constituent: Cobalt Analysis Run 10/16/2025 4:00 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

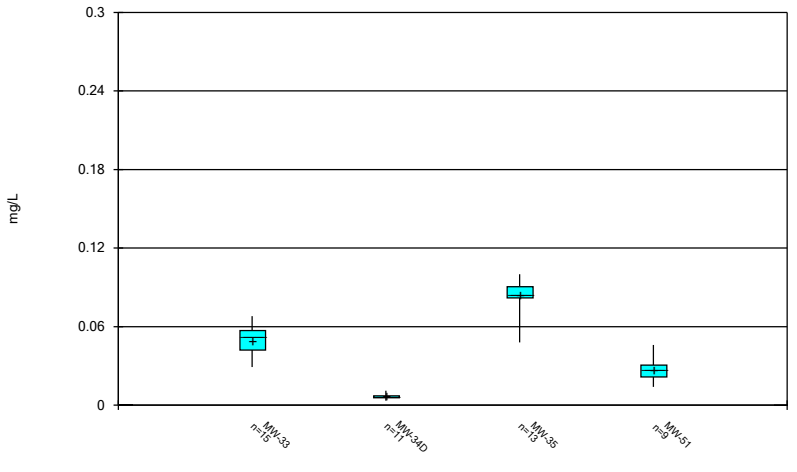


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Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

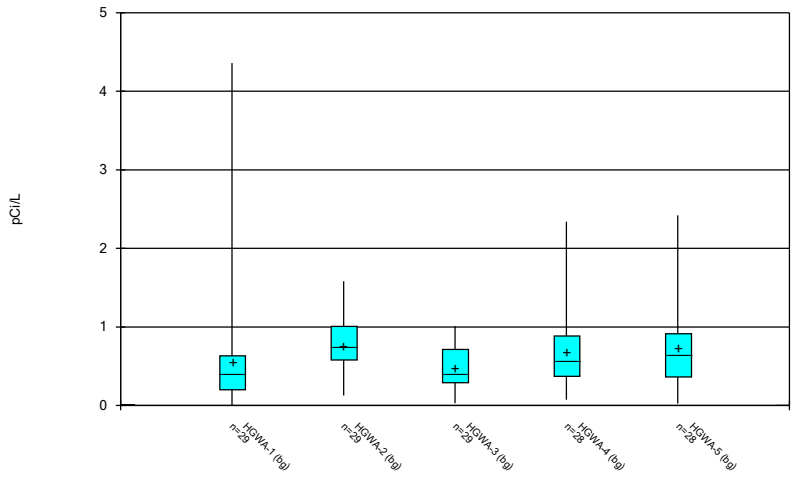
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 10/16/2025 4:00 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

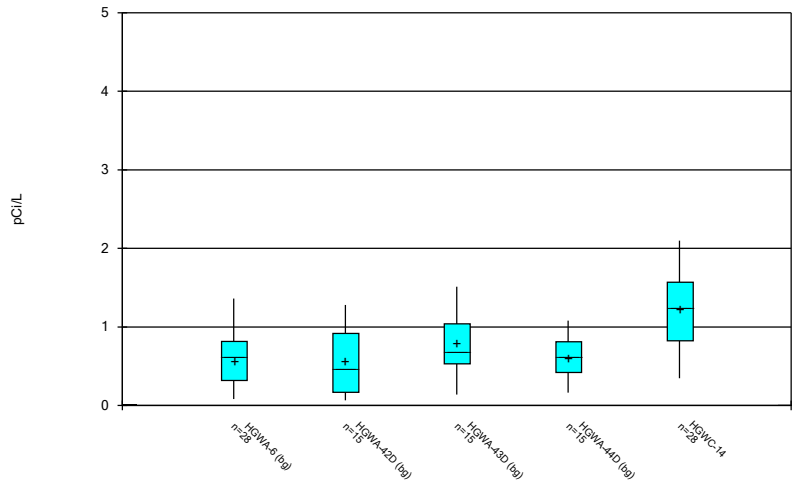
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 10/16/2025 4:00 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

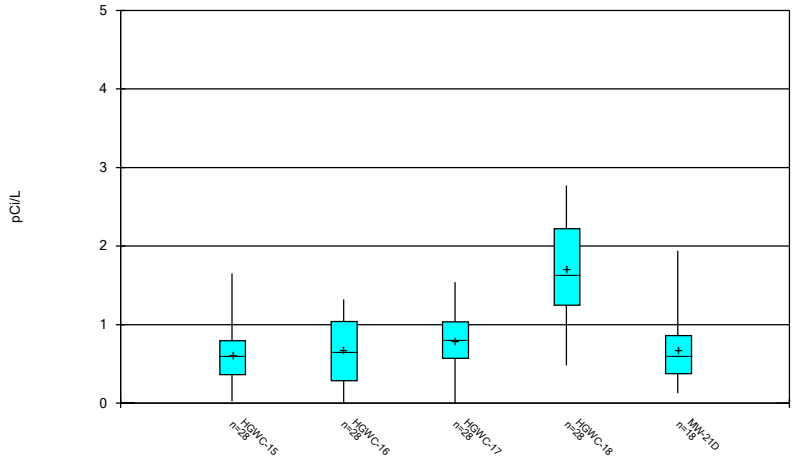
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 10/16/2025 4:00 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

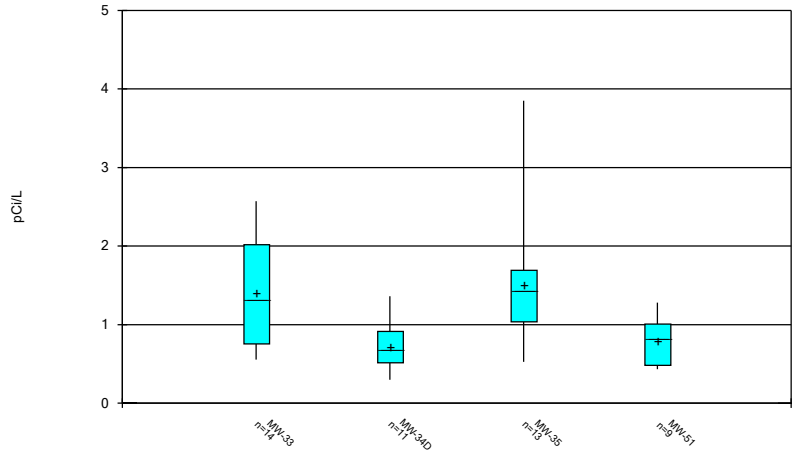
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 10/16/2025 4:00 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

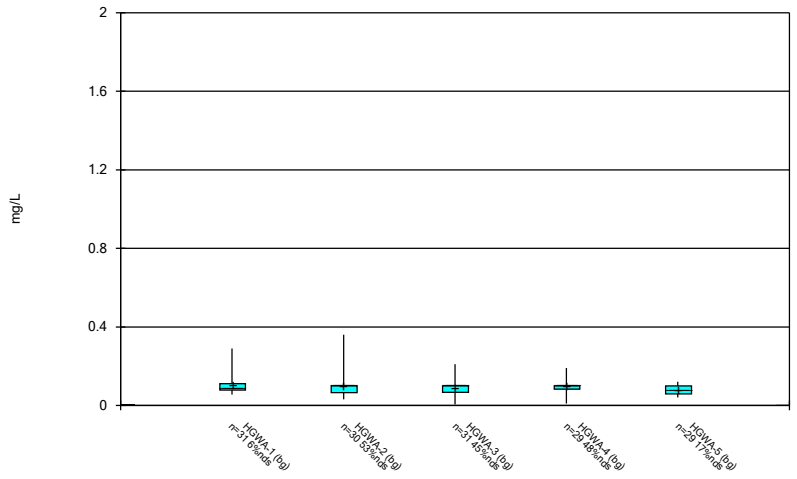
Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 10/16/2025 4:00 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Box & Whiskers Plot

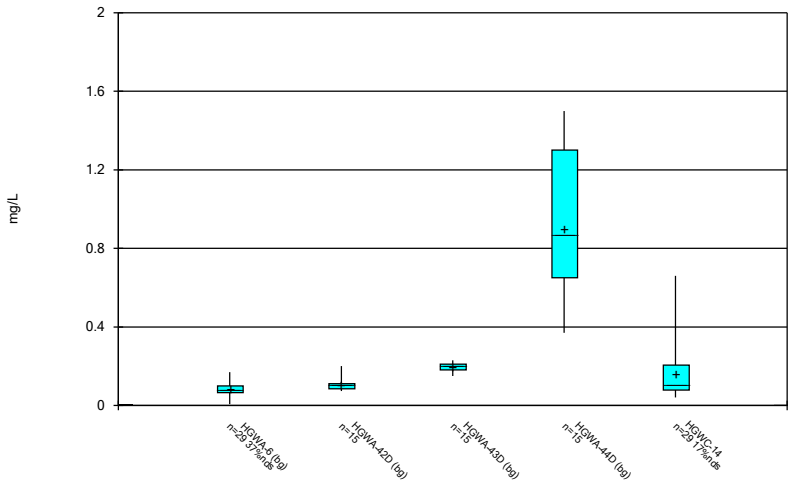


Constituent: Fluoride Analysis Run 10/16/2025 4:00 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

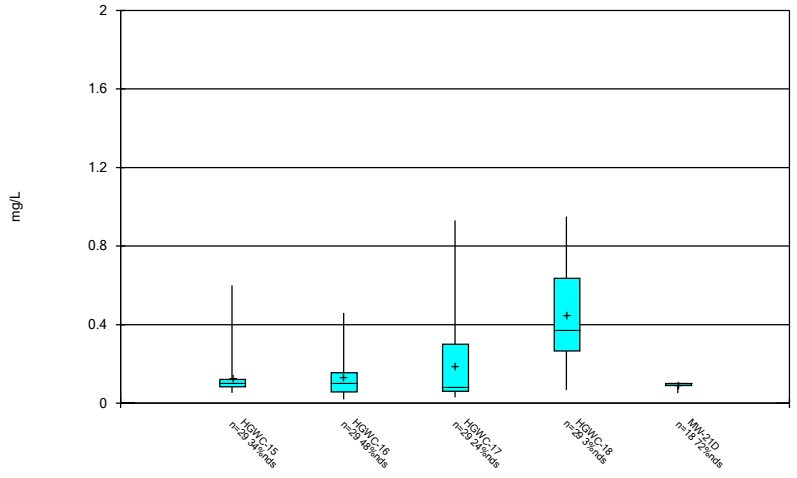


Constituent: Fluoride Analysis Run 10/16/2025 4:00 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

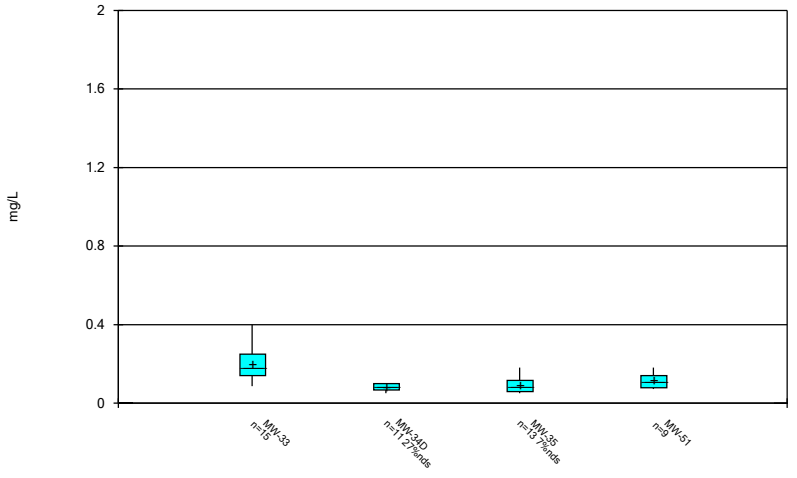


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Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

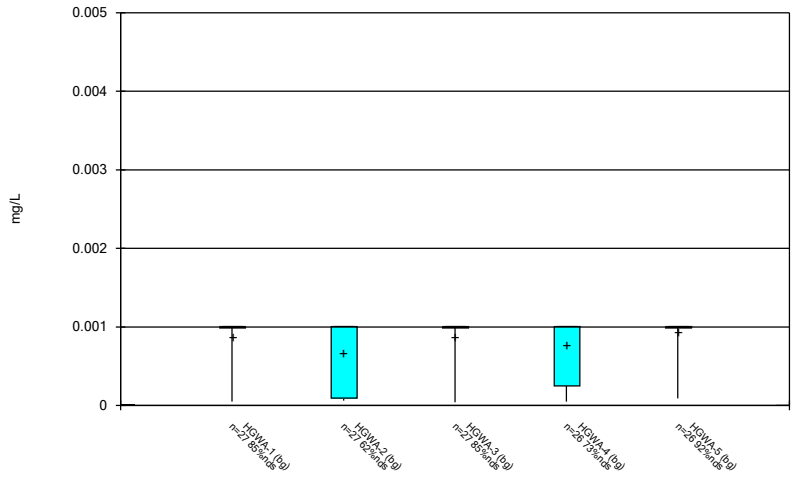
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 10/16/2025 4:00 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Box & Whiskers Plot

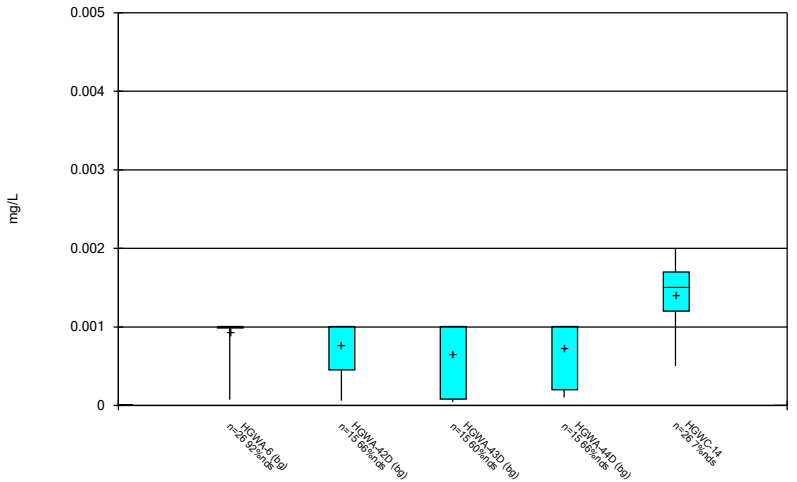


Constituent: Lead Analysis Run 10/16/2025 4:00 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

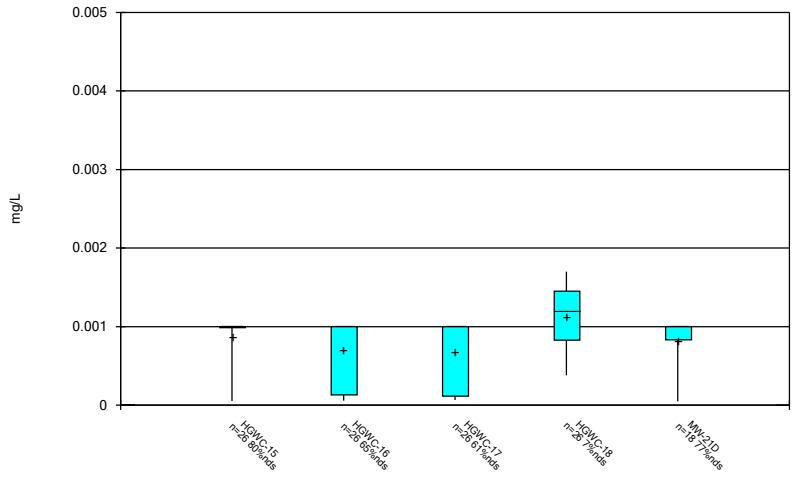


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Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

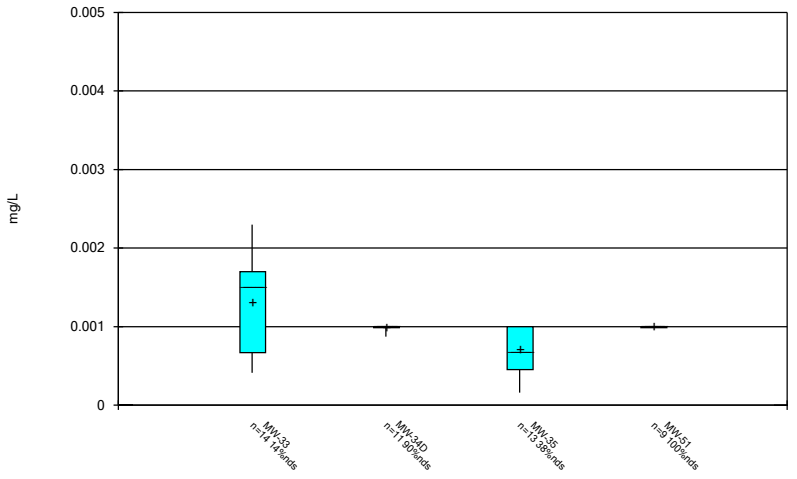


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Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

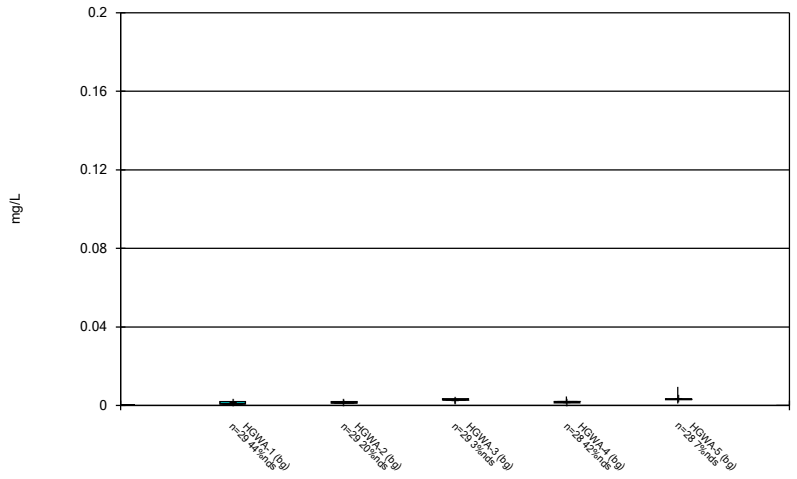
Box & Whiskers Plot



Constituent: Lead Analysis Run 10/16/2025 4:00 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Box & Whiskers Plot

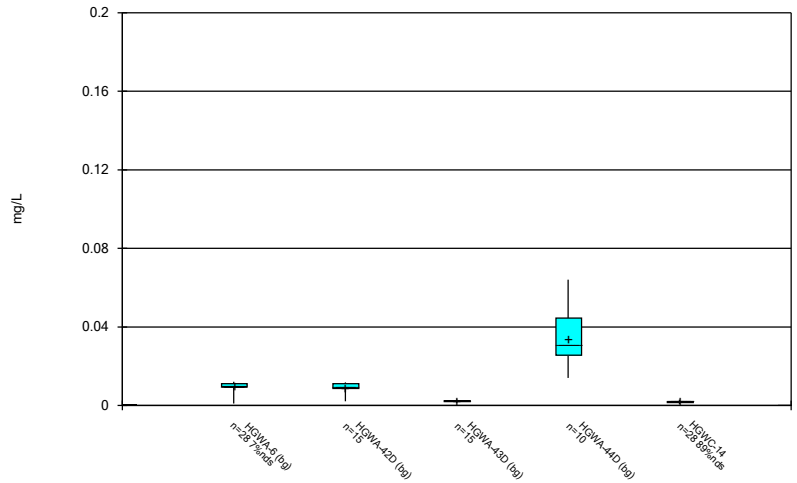


Constituent: Lithium Analysis Run 10/16/2025 4:00 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

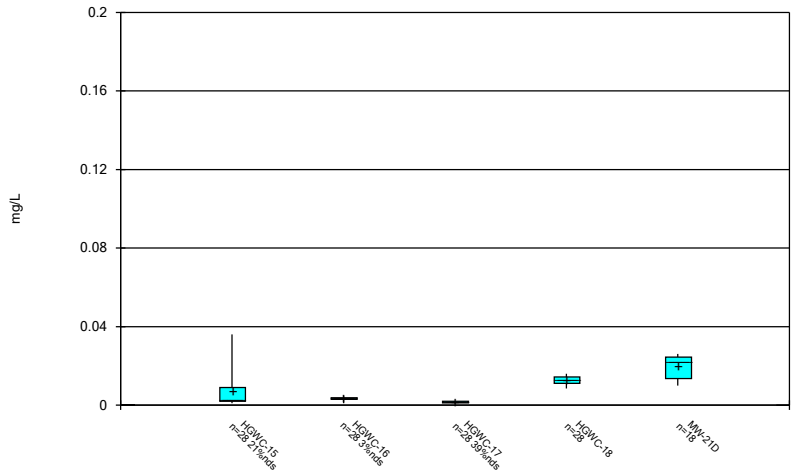


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Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

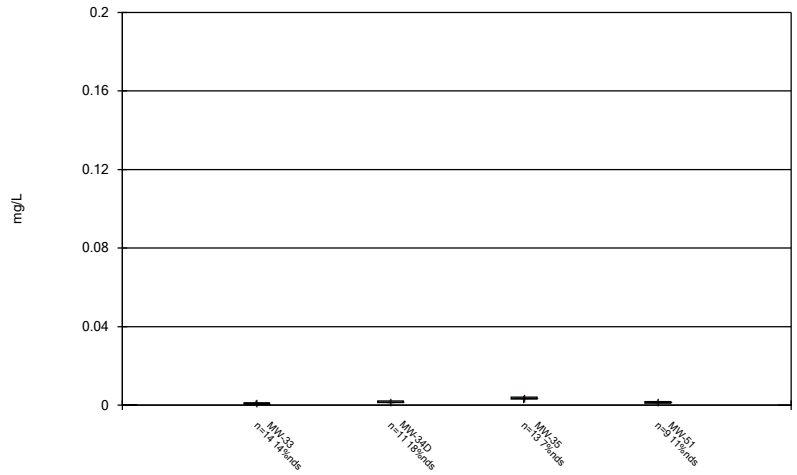


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Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

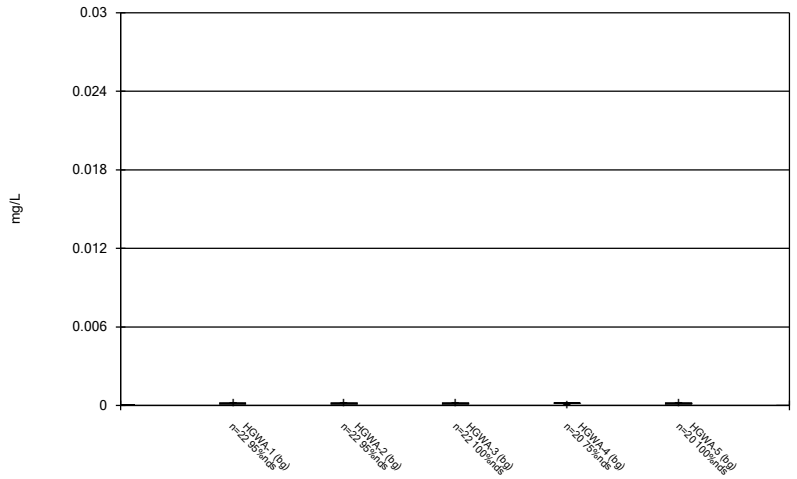
Box & Whiskers Plot



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Box & Whiskers Plot

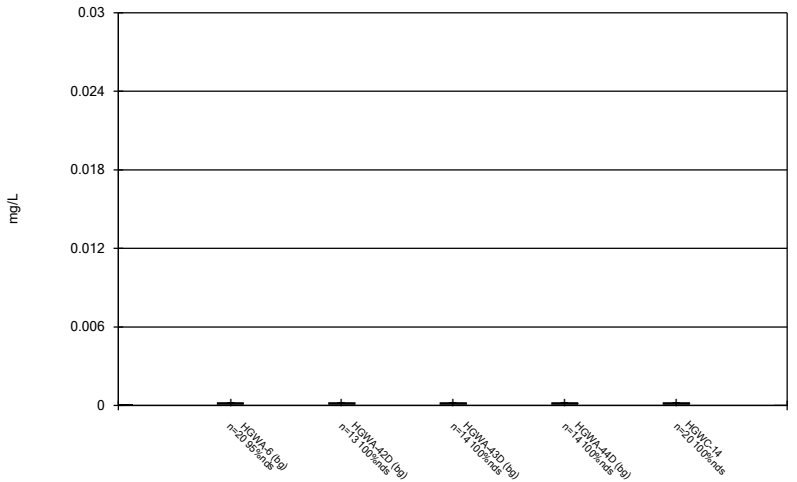


Constituent: Mercury Analysis Run 10/16/2025 4:00 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

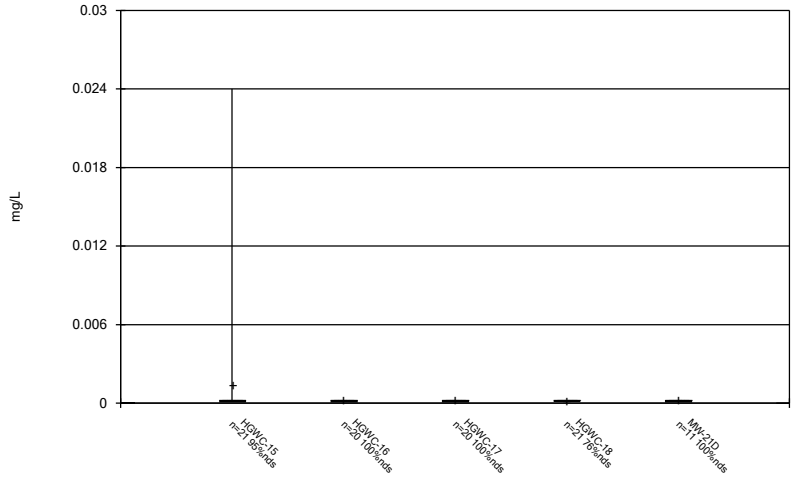


Constituent: Mercury Analysis Run 10/16/2025 4:00 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

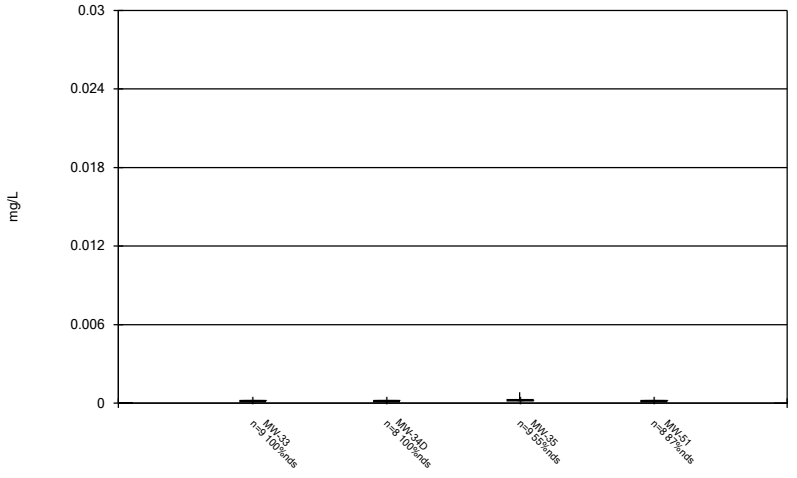


Constituent: Mercury Analysis Run 10/16/2025 4:00 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

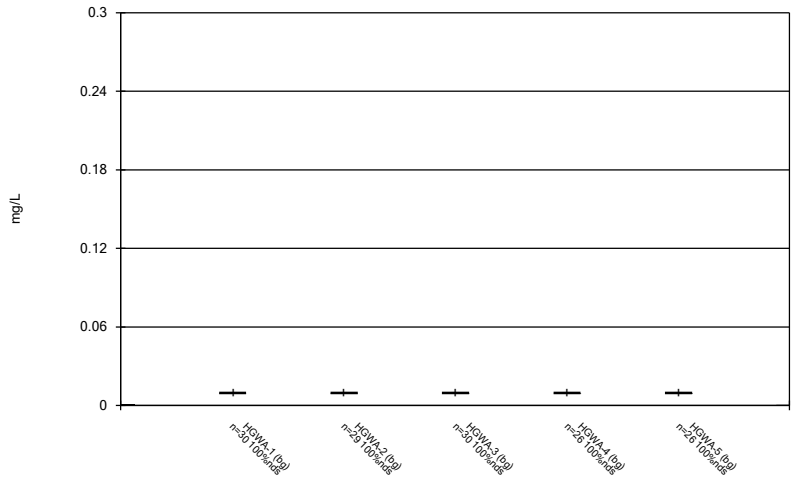
Box & Whiskers Plot



Constituent: Mercury Analysis Run 10/16/2025 4:00 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Box & Whiskers Plot

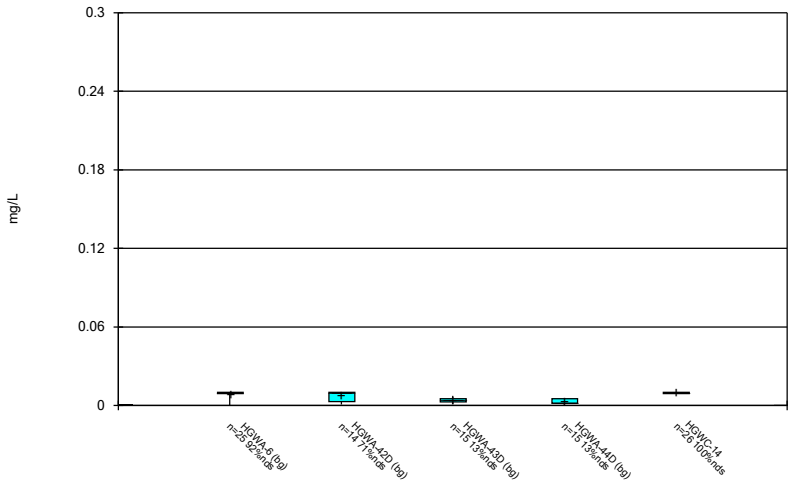


Constituent: Molybdenum Analysis Run 10/16/2025 4:00 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

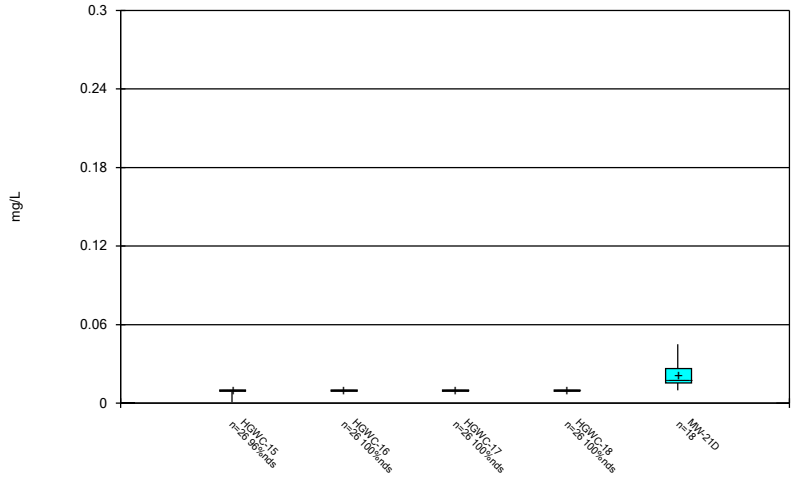


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Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

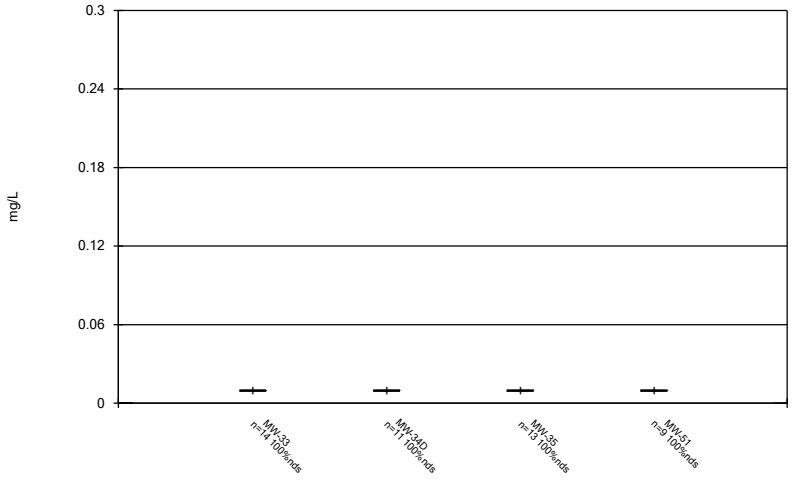


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Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

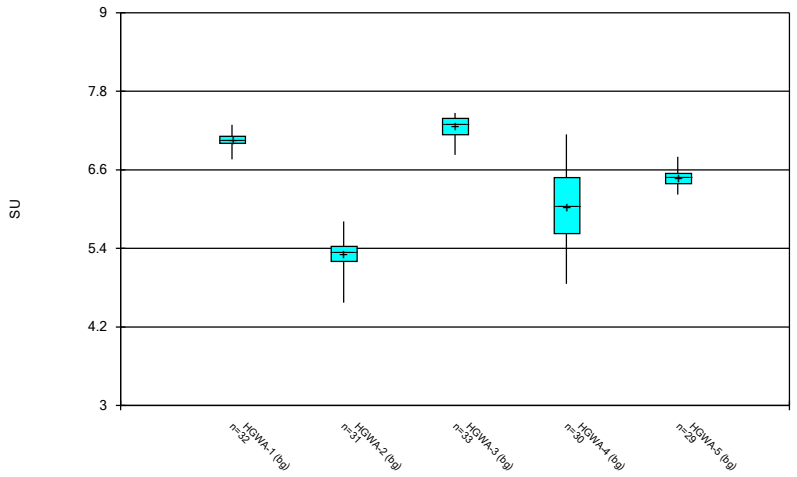
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Plant Hammond Client: Southern Company Data: Hammond AP2

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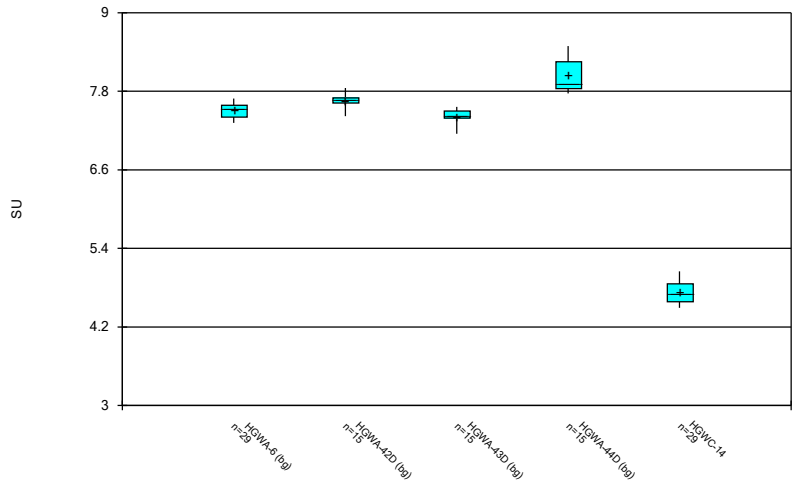


Constituent: pH, Field Analysis Run 10/16/2025 4:00 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

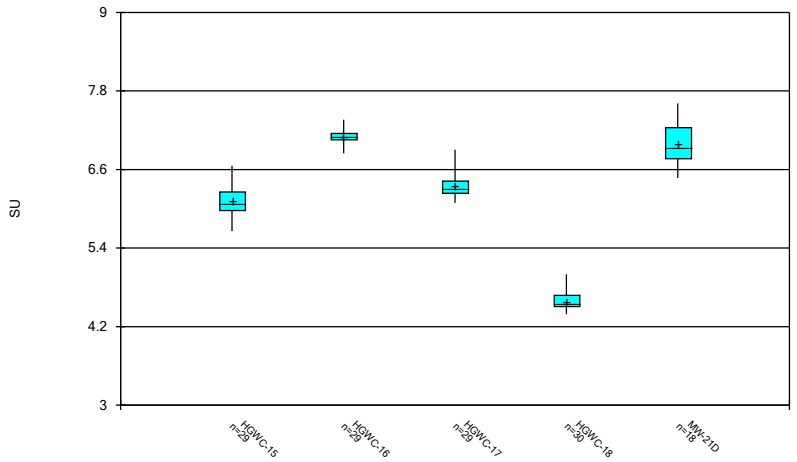


Constituent: pH, Field Analysis Run 10/16/2025 4:00 PM

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Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

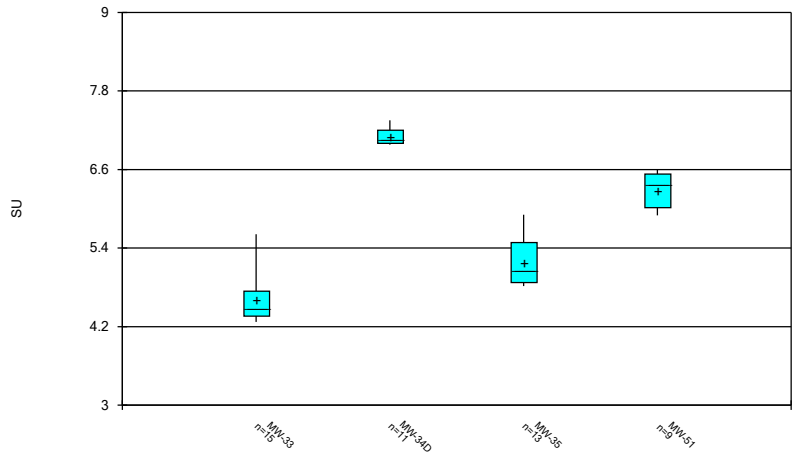


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Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

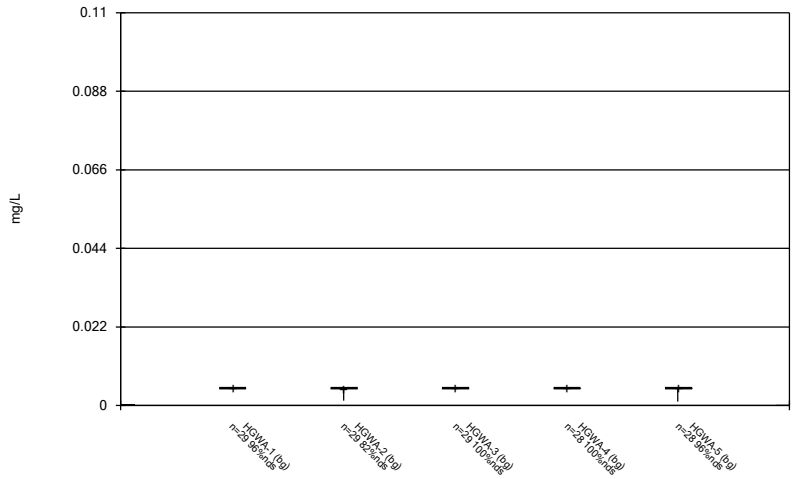
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Plant Hammond Client: Southern Company Data: Hammond AP2

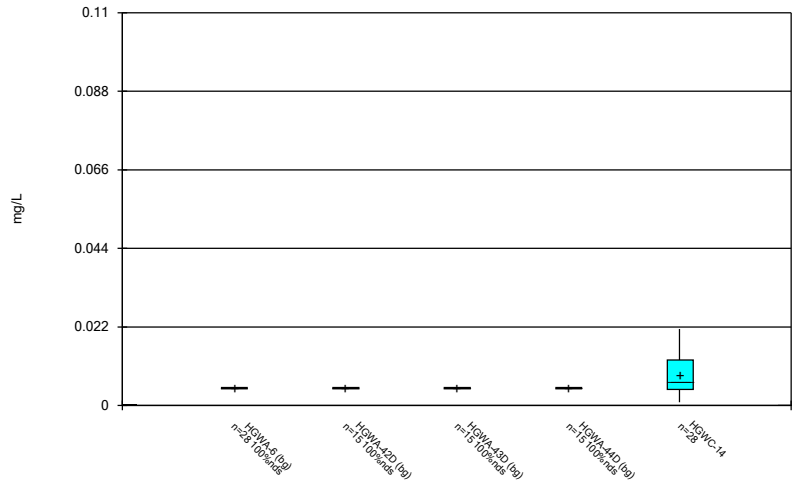
Box & Whiskers Plot



Constituent: Selenium Analysis Run 10/16/2025 4:00 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

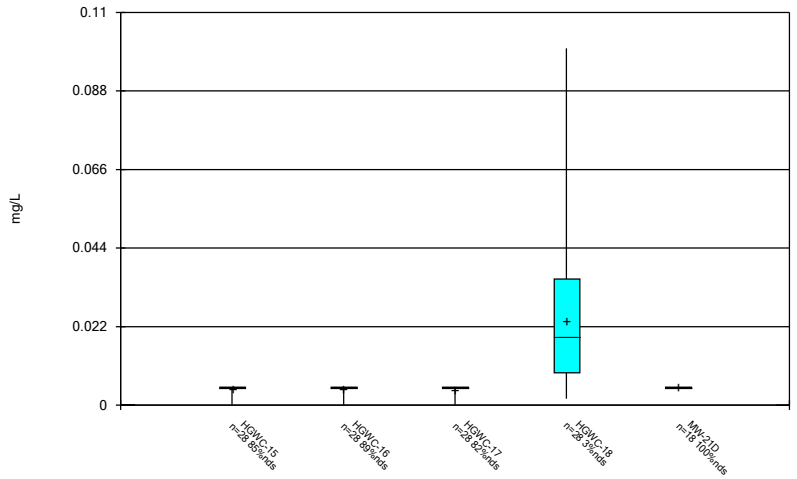
Box & Whiskers Plot



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Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

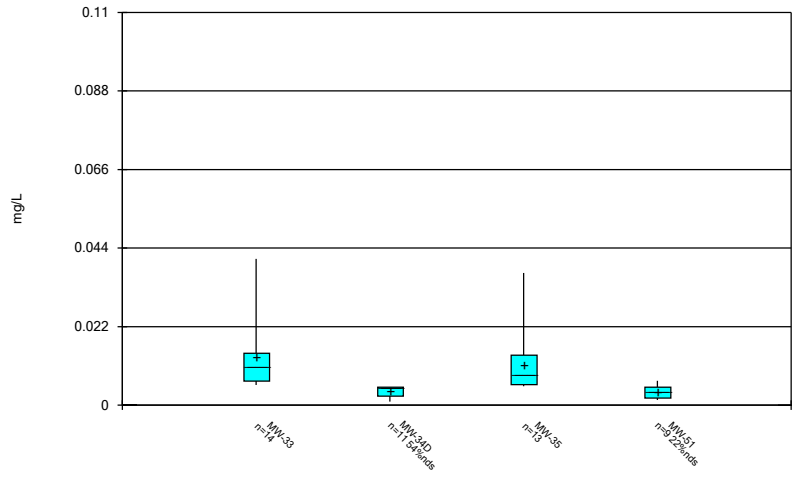
Box & Whiskers Plot



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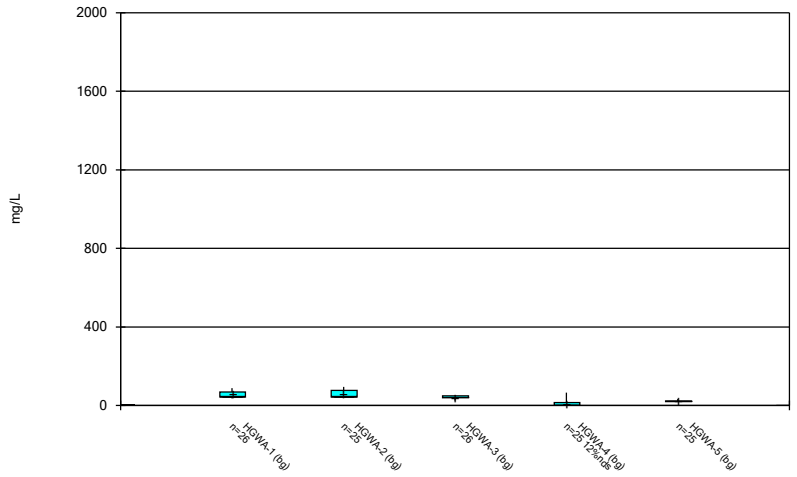
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Box & Whiskers Plot



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Plant Hammond Client: Southern Company Data: Hammond AP2

Box & Whiskers Plot

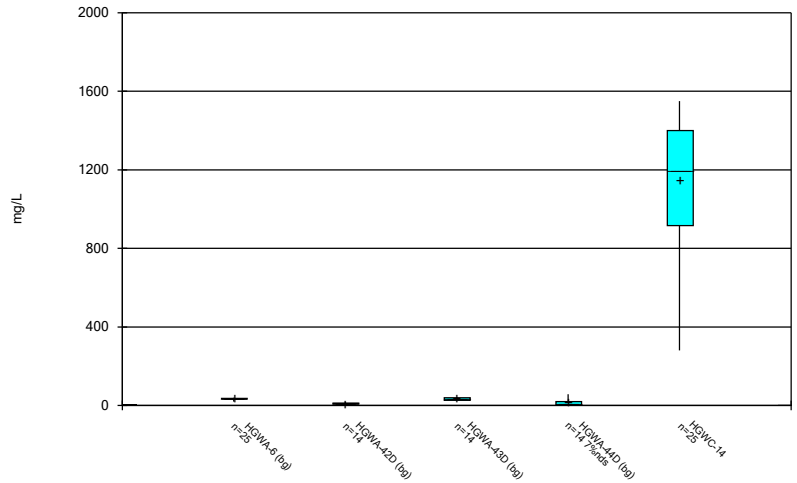


Constituent: Sulfate Analysis Run 10/16/2025 4:00 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

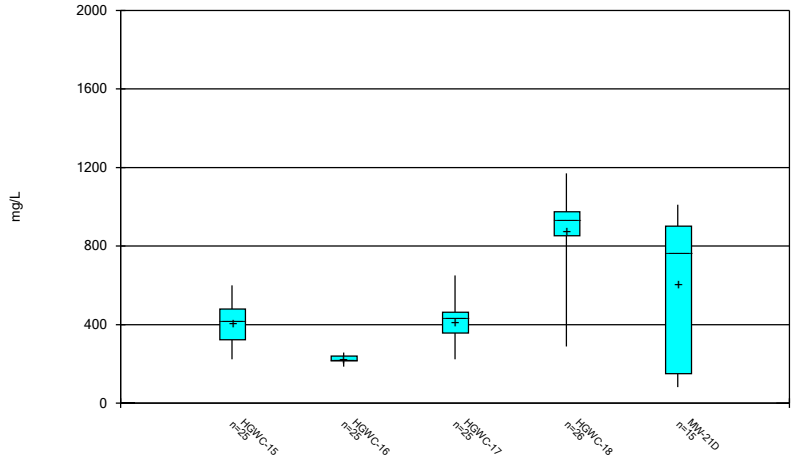


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Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

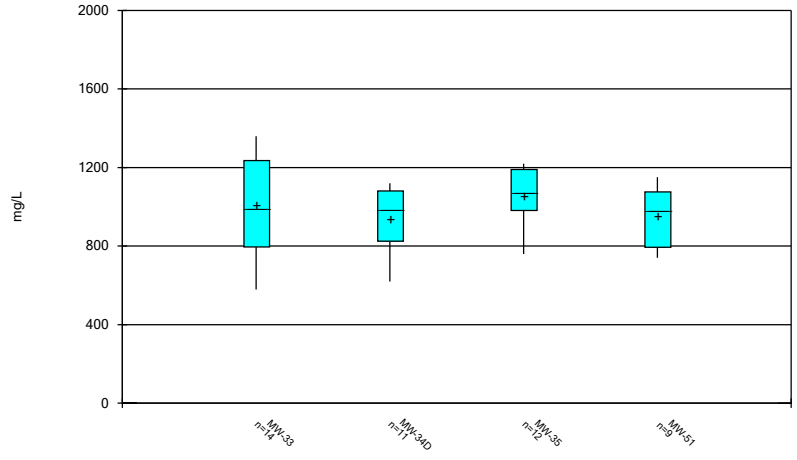


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Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

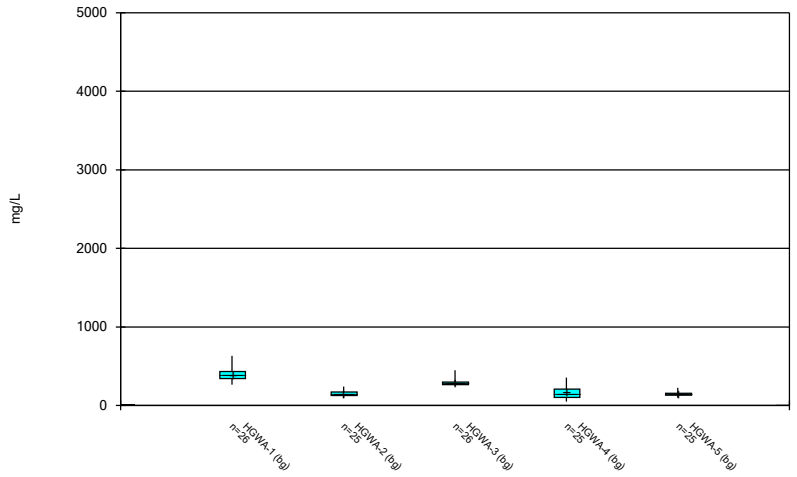
Box & Whiskers Plot



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Box & Whiskers Plot

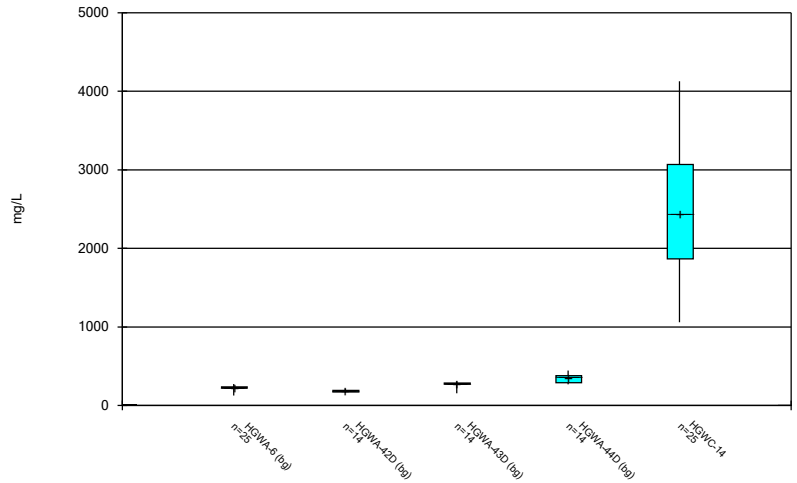


Constituent: TDS Analysis Run 10/16/2025 4:00 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

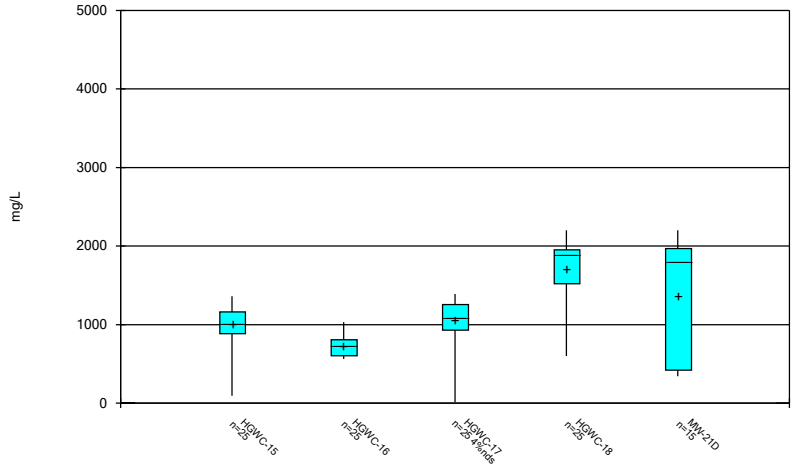


Constituent: TDS Analysis Run 10/16/2025 4:00 PM

Plant Hammond Client: Southern Company Data: Hammond AP2

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Box & Whiskers Plot

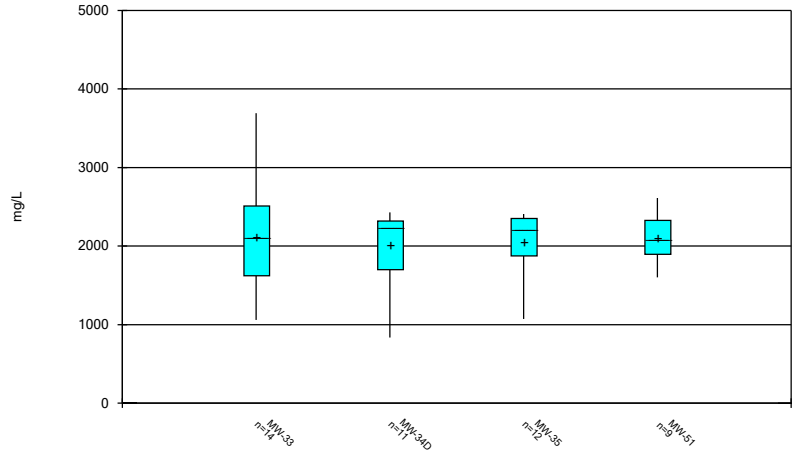


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Plant Hammond Client: Southern Company Data: Hammond AP2

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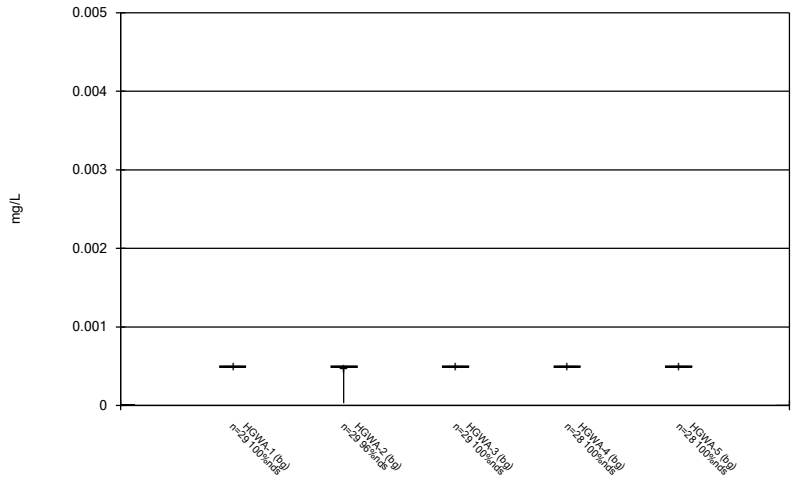
Box & Whiskers Plot



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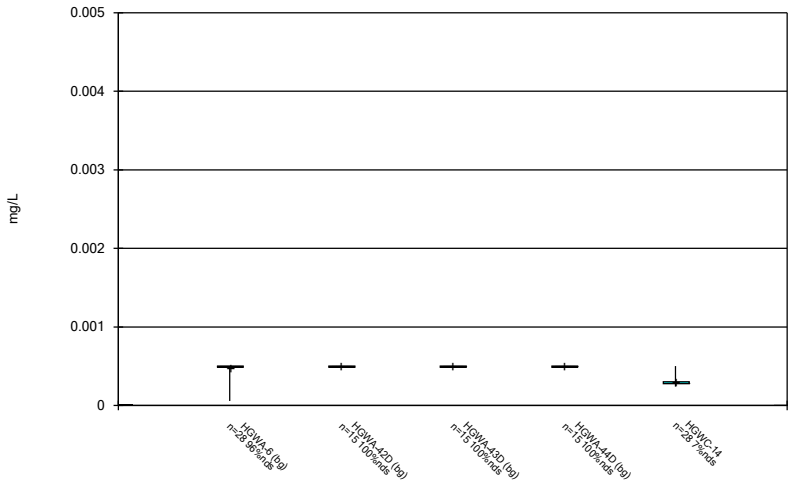
Box & Whiskers Plot



Constituent: Thallium Analysis Run 10/16/2025 4:00 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

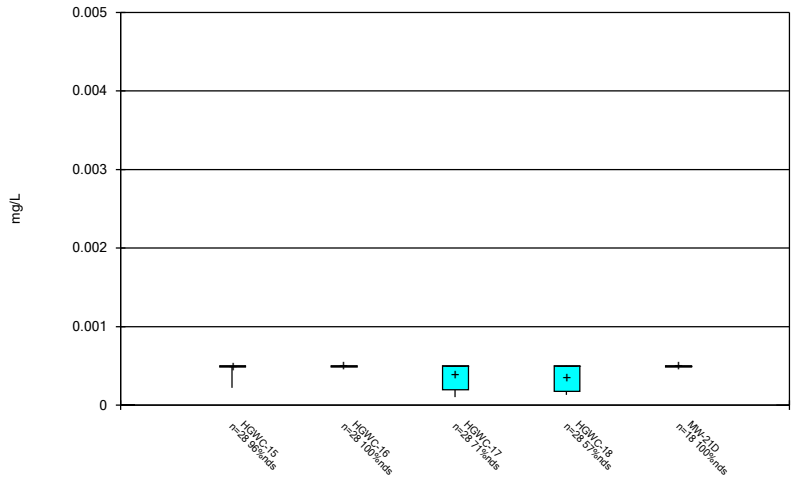
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Constituent: Thallium Analysis Run 10/16/2025 4:00 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

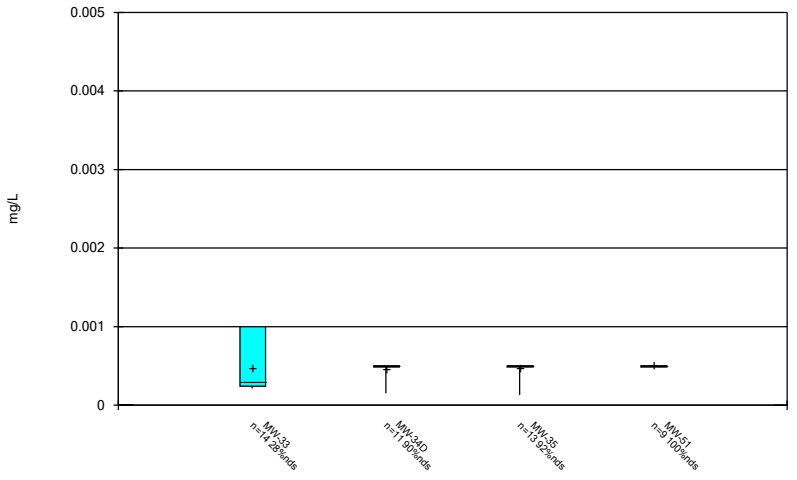
Box & Whiskers Plot



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Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Thallium Analysis Run 10/16/2025 4:00 PM
Plant Hammond Client: Southern Company Data: Hammond AP2

FIGURE C.

Outlier Summary

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 10/15/2025, 1:31 PM

	HGWA-6 Boron (mg/L)	HGWA-42D Boron (mg/L)	HGWA-6 Molybdenum (mg/L)	HGWA-42D Molybdenum (mg/L)
8/6/2024	1.6 (O)	1 (O)	0.14 (O)	0.2 (O)

FIGURE D.

Appendix III Interwell Prediction Limits - Significant Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 10/15/2025, 1:38 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)	HGWC-14	0.55	n/a	8/8/2025	6.3	Yes	192	n/a	n/a	6.771	n/a	n/a	0.00005378	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-15	0.55	n/a	8/8/2025	1.6	Yes	192	n/a	n/a	6.771	n/a	n/a	0.00005378	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-16	0.55	n/a	8/8/2025	2.2	Yes	192	n/a	n/a	6.771	n/a	n/a	0.00005378	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-17	0.55	n/a	8/8/2025	6.1	Yes	192	n/a	n/a	6.771	n/a	n/a	0.00005378	NP Inter (normality) 1 of 2
Boron (mg/L)	HGWC-18	0.55	n/a	8/8/2025	4	Yes	192	n/a	n/a	6.771	n/a	n/a	0.00005378	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-14	138	n/a	8/8/2025	265	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-15	138	n/a	8/8/2025	160	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-16	138	n/a	8/8/2025	158	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-17	138	n/a	8/8/2025	190	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Calcium (mg/L)	HGWC-18	138	n/a	8/8/2025	147	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-14	44.8	n/a	8/8/2025	65.1	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-15	44.8	n/a	8/8/2025	69.3	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-16	44.8	n/a	8/8/2025	71.3	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-17	44.8	n/a	8/8/2025	81.3	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Chloride (mg/L)	HGWC-18	44.8	n/a	8/8/2025	50.7	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-14	94.5	n/a	8/8/2025	683	Yes	194	n/a	n/a	2.062	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-15	94.5	n/a	8/8/2025	255	Yes	194	n/a	n/a	2.062	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-16	94.5	n/a	8/8/2025	185	Yes	194	n/a	n/a	2.062	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-17	94.5	n/a	8/8/2025	271	Yes	194	n/a	n/a	2.062	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Sulfate (mg/L)	HGWC-18	94.5	n/a	8/8/2025	350	Yes	194	n/a	n/a	2.062	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-14	632	n/a	8/8/2025	1350	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-15	632	n/a	8/8/2025	810	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-16	632	n/a	8/8/2025	728	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-17	632	n/a	8/8/2025	880	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
TDS (mg/L)	HGWC-18	632	n/a	8/8/2025	710	Yes	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

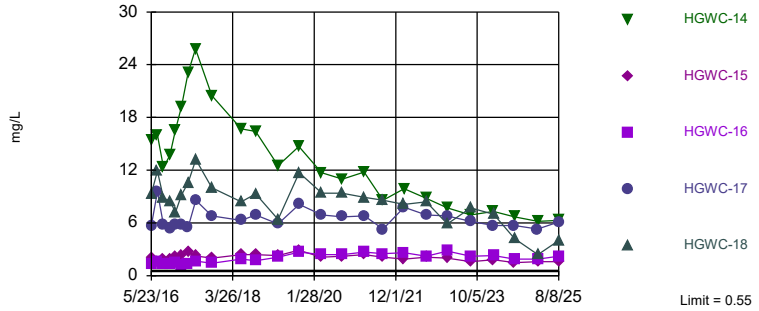
Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 10/15/2025, 1:38 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**HGWC-14**	**0.55**	**n/a**	**8/8/2025**	**6.3**	**Yes**	**192**	**n/a**	**n/a**	**6.771**	**n/a**	**n/a**	**0.00005378**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**HGWC-15**	**0.55**	**n/a**	**8/8/2025**	**1.6**	**Yes**	**192**	**n/a**	**n/a**	**6.771**	**n/a**	**n/a**	**0.00005378**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**HGWC-16**	**0.55**	**n/a**	**8/8/2025**	**2.2**	**Yes**	**192**	**n/a**	**n/a**	**6.771**	**n/a**	**n/a**	**0.00005378**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**HGWC-17**	**0.55**	**n/a**	**8/8/2025**	**6.1**	**Yes**	**192**	**n/a**	**n/a**	**6.771**	**n/a**	**n/a**	**0.00005378**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**HGWC-18**	**0.55**	**n/a**	**8/8/2025**	**4**	**Yes**	**192**	**n/a**	**n/a**	**6.771**	**n/a**	**n/a**	**0.00005378**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**HGWC-14**	**138**	**n/a**	**8/8/2025**	**265**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**HGWC-15**	**138**	**n/a**	**8/8/2025**	**160**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**HGWC-16**	**138**	**n/a**	**8/8/2025**	**158**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**HGWC-17**	**138**	**n/a**	**8/8/2025**	**190**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**HGWC-18**	**138**	**n/a**	**8/8/2025**	**147**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**HGWC-14**	**44.8**	**n/a**	**8/8/2025**	**65.1**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**HGWC-15**	**44.8**	**n/a**	**8/8/2025**	**69.3**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**HGWC-16**	**44.8**	**n/a**	**8/8/2025**	**71.3**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**HGWC-17**	**44.8**	**n/a**	**8/8/2025**	**81.3**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**HGWC-18**	**44.8**	**n/a**	**8/8/2025**	**50.7**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	HGWC-14	1.5	n/a	8/8/2025	0.08J	No	224	n/a	n/a	27.68	n/a	n/a	0.0000492	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-15	1.5	n/a	8/8/2025	0.12	No	224	n/a	n/a	27.68	n/a	n/a	0.0000492	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-16	1.5	n/a	8/8/2025	0.051J	No	224	n/a	n/a	27.68	n/a	n/a	0.0000492	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-17	1.5	n/a	8/8/2025	0.083J	No	224	n/a	n/a	27.68	n/a	n/a	0.0000492	NP Inter (normality) 1 of 2
Fluoride (mg/L)	HGWC-18	1.5	n/a	8/8/2025	0.2	No	224	n/a	n/a	27.68	n/a	n/a	0.0000492	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-14	8.49	4.57	8/8/2025	4.65	No	229	n/a	n/a	0	n/a	n/a	0.0000984	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-15	8.49	4.57	8/8/2025	6.59	No	229	n/a	n/a	0	n/a	n/a	0.0000984	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-16	8.49	4.57	8/8/2025	7.11	No	229	n/a	n/a	0	n/a	n/a	0.0000984	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-17	8.49	4.57	8/8/2025	6.42	No	229	n/a	n/a	0	n/a	n/a	0.0000984	NP Inter (normality) 1 of 2
pH, Field (SU)	HGWC-18	8.49	4.57	8/8/2025	4.72	No	229	n/a	n/a	0	n/a	n/a	0.0000984	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**HGWC-14**	**94.5**	**n/a**	**8/8/2025**	**683**	**Yes**	**194**	**n/a**	**n/a**	**2.062**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**HGWC-15**	**94.5**	**n/a**	**8/8/2025**	**255**	**Yes**	**194**	**n/a**	**n/a**	**2.062**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**HGWC-16**	**94.5**	**n/a**	**8/8/2025**	**185**	**Yes**	**194**	**n/a**	**n/a**	**2.062**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**HGWC-17**	**94.5**	**n/a**	**8/8/2025**	**271**	**Yes**	**194**	**n/a**	**n/a**	**2.062**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**HGWC-18**	**94.5**	**n/a**	**8/8/2025**	**350**	**Yes**	**194**	**n/a**	**n/a**	**2.062**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**HGWC-14**	**632**	**n/a**	**8/8/2025**	**1350**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**HGWC-15**	**632**	**n/a**	**8/8/2025**	**810**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**HGWC-16**	**632**	**n/a**	**8/8/2025**	**728**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**HGWC-17**	**632**	**n/a**	**8/8/2025**	**880**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**HGWC-18**	**632**	**n/a**	**8/8/2025**	**710**	**Yes**	**194**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005263**	**NP Inter (normality) 1 of 2**

Exceeds Limit: HGWC-14, HGWC-15, HGWC-16, HGWC-17, HGWC-18

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 192 background values. 6.771% NDs. Annual per-constituent alpha = 0.0005376. Individual comparison alpha = 0.00005378 (1 of 2). Comparing 5 points to limit.

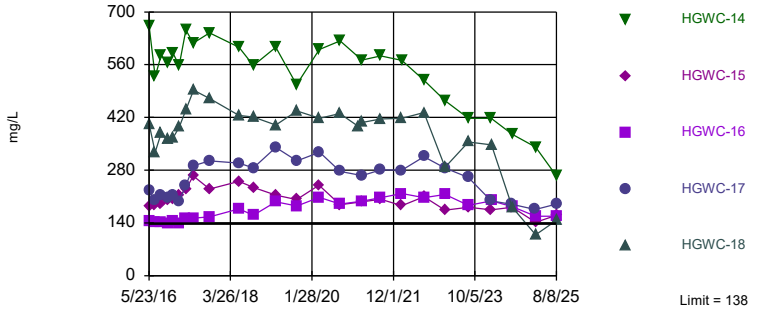
Constituent: Boron Analysis Run 10/15/2025 1:36 PM View: Appendix III
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Exceeds Limit: HGWC-14, HGWC-15, HGWC-16, HGWC-17, HGWC-18

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 194 background values. Annual per-constituent alpha = 0.0005262. Individual comparison alpha = 0.00005263 (1 of 2). Comparing 5 points to limit.

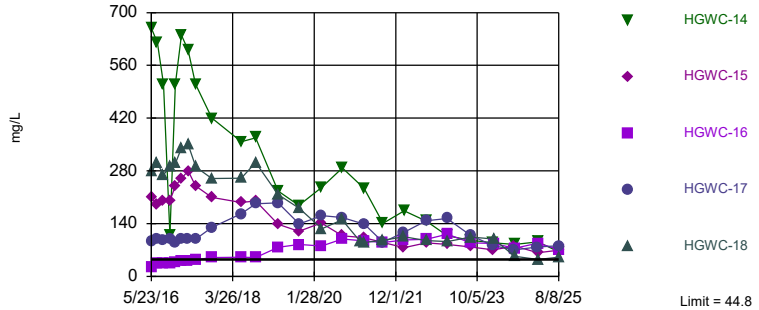
Constituent: Calcium Analysis Run 10/15/2025 1:36 PM View: Appendix III
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Exceeds Limit: HGWC-14, HGWC-15, HGWC-16, HGWC-17, HGWC-18

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 194 background values. Annual per-constituent alpha = 0.0005262. Individual comparison alpha = 0.00005263 (1 of 2). Comparing 5 points to limit.

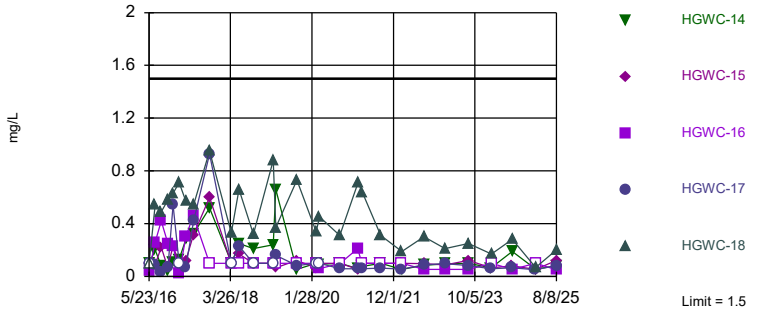
Constituent: Chloride Analysis Run 10/15/2025 1:36 PM View: Appendix III
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



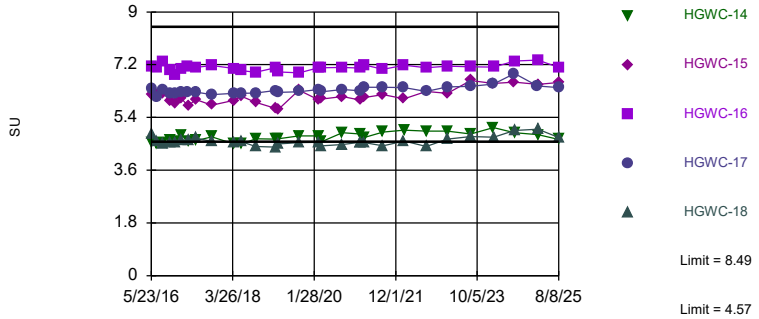
Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 224 background values. 27.68% NDs. Annual per-constituent alpha = 0.0004919. Individual comparison alpha = 0.0000492 (1 of 2). Comparing 5 points to limit.

Constituent: Fluoride Analysis Run 10/15/2025 1:36 PM View: Appendix III
Plant Hammond Client: Southern Company Data: Hammond AP2

Within Limits

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 229 background values. Annual per-constituent alpha = 0.0009838. Individual comparison alpha = 0.0000984 (1 of 2). Comparing 5 points to limit.

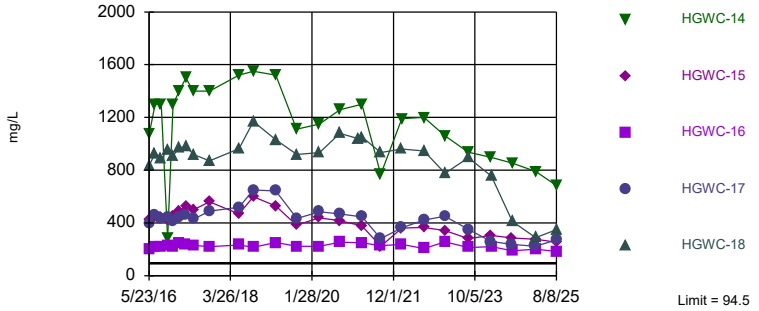
Constituent: pH, Field Analysis Run 10/15/2025 1:36 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

Exceeds Limit: HGWC-14, HGWC-15, HGWC-16, HGWC-17, HGWC-18

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 194 background values. 2.062% NDs. Annual per-constituent alpha = 0.0005262. Individual comparison alpha = 0.00005263 (1 of 2). Comparing 5 points to limit.

Constituent: Sulfate Analysis Run 10/15/2025 1:37 PM View: Appendix III

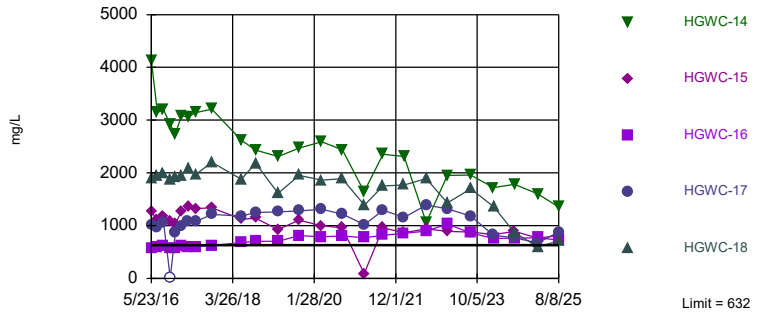
Plant Hammond Client: Southern Company Data: Hammond AP2

Hollow symbols indicate censored values.

Exceeds Limit: HGWC-14, HGWC-15, HGWC-16, HGWC-17, HGWC-18

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 194 background values. Annual per-constituent alpha = 0.0005262. Individual comparison alpha = 0.00005263 (1 of 2). Comparing 5 points to limit.

Constituent: TDS Analysis Run 10/15/2025 1:37 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-4 (bg)	HGWA-3 (bg)	HGWA-5 (bg)	HGWA-2 (bg)	HGWA-6 (bg)	HGWC-15	HGWC-16	HGWC-17
5/19/2016	0.0214 (J)	<0.04	<0.04	<0.04	0.0321 (J)				
5/20/2016						0.0363 (J)			
5/23/2016							2.02	1.36	5.7
5/24/2016									
7/11/2016	0.0142 (J)	0.0175 (J)		0.0052 (J)	0.0337 (J)	0.0179 (J)			
7/12/2016			0.0074 (J)				1.65	1.62	9.58
8/30/2016	0.0074 (J)	0.0072 (J)	<0.04	0.0068 (J)	0.0173 (J)	0.014 (J)			
9/1/2016							1.93	1.31	5.76
10/19/2016	0.0224 (J)	0.018 (J)	0.0085 (J)		0.0341 (J)				
10/20/2016				0.0135 (J)		0.0197 (J)			
10/24/2016							1.93		
10/25/2016								1.27	5.38
12/6/2016	0.0211 (J)	0.0158 (J)	0.0085 (J)		0.0326 (J)				
12/7/2016							2.23	1.42	5.74
12/8/2016				0.0083 (J)		0.0159 (J)			
1/24/2017	0.0165 (J)	0.0145 (J)	0.01 (J)	0.0072 (J)	0.0365 (J)	<0.04			
1/26/2017							2.31	1.19	5.78
3/21/2017	0.0187 (J)	0.0101 (J)	0.0079 (J)	<0.04	0.0349 (J)	0.0166 (J)			
3/22/2017								1.32	5.52
3/23/2017							2.72		
5/22/2017	0.0782		0.0131 (J)		0.0475				
5/23/2017		0.0159 (J)		0.0095 (J)		0.0167 (J)			
5/24/2017							2.26	1.67	
5/25/2017									8.58
10/3/2017	0.0198 (J)	0.0162 (J)	0.0097 (J)	0.0071 (J)	0.0386 (J)	0.017 (J)			
10/4/2017							2	1.43	6.8
6/4/2018	0.02 (J)	0.014 (J)	0.017 (J)		0.036 (J)				
6/5/2018				0.0066 (J)		0.016 (J)			
6/6/2018							2.4	1.9	6.3
10/1/2018	0.013 (J)	0.0093 (J)	0.0061 (J)		0.035 (J)				
10/2/2018				0.0081 (J)		0.014 (J)			
10/3/2018							2.4	1.7	6.9
4/1/2019			0.0066 (J)						
4/2/2019	0.016 (J)	0.01 (J)		0.0052 (J)	0.034 (J)	0.013 (J)			
4/4/2019							2.3	2.1	
4/5/2019									5.9
9/23/2019	0.021 (J)		0.0081 (J)		0.04 (J)				
9/24/2019		0.013 (J)		0.0088 (J)		0.016 (J)	2.9		
9/25/2019								2.7	8.1
3/25/2020	0.025 (J)		0.0096 (J)		0.039 (J)	0.021 (J)			
3/26/2020		0.012 (J)		0.0072 (J)			2.1		
3/30/2020								2.4	
3/31/2020									6.9
6/16/2020	0.021 (J)		0.01 (J)						
9/15/2020	0.017 (J)	0.013 (J)	0.0071 (J)	0.012 (J)	0.044 (J)	0.016 (J)			
9/16/2020									6.7
9/17/2020							2.2	2.4	
9/18/2020									
11/10/2020									
11/11/2020									
12/15/2020									
1/19/2021									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-4 (bg)	HGWA-3 (bg)	HGWA-5 (bg)	HGWA-2 (bg)	HGWA-6 (bg)	HGWC-15	HGWC-16	HGWC-17
1/20/2021									
3/10/2021	0.015 (J)	0.012 (J)							
3/11/2021			0.015 (J)	0.0075 (J)	0.056	0.018 (J)			
3/16/2021							2.4		
3/17/2021								2.7	
3/18/2021									6.8
8/11/2021	0.02 (J)								
8/12/2021		0.014 (J)	<0.04	0.0092 (J)	0.044	0.014 (J)			
8/13/2021									
8/18/2021									5.3
8/19/2021							2.1	2.5	
2/1/2022	0.016 (J)		0.011 (J)		0.056				
2/7/2022		0.017 (J)		<0.04		0.019 (J)			
2/8/2022							1.9	2.6	7.8
2/9/2022									
8/2/2022	0.012 (J)	0.02 (J)	<0.04		0.047				
8/9/2022									
8/10/2022				0.011 (J)		0.015 (J)		2.2	6.9
8/11/2022							2.1		
1/23/2023		0.023 (J)	0.012 (J)						
1/24/2023	0.015 (J)				0.046				
1/27/2023				<0.04		0.013 (J)			
1/30/2023									6.8
2/1/2023							2	2.8	
8/8/2023	0.023 (J)	0.029 (J)	0.011 (J)	0.025 (J)	0.06	0.017 (J)			
8/13/2023							1.6	2.2	6.2
2/13/2024	0.02 (J)	0.023 (J)	<0.04	<0.04	0.051	0.015 (J)			
2/17/2024							1.8		5.7
2/18/2024								2.3	
8/5/2024	0.02 (J)		<0.04		0.057				
8/6/2024		0.015 (J)		0.024 (J)		1.6 (O)			
8/8/2024							1.5		5.7
8/9/2024								1.9	
8/10/2024									
2/12/2025	0.021 (J)	0.023 (J)	0.011 (J)						
2/14/2025				0.015 (J)	0.053	0.02 (J)			
2/16/2025									5.3
2/17/2025							1.6	1.9	
2/18/2025									
8/5/2025	0.019 (J)	0.041	0.009 (J)	0.014 (J)	0.044	0.017 (J)			
8/8/2025							1.6	2.2	6.1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-18	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-42D (bg)
5/19/2016					
5/20/2016					
5/23/2016	15.4				
5/24/2016		9.33			
7/11/2016					
7/12/2016	16	11.9			
8/30/2016					
9/1/2016	12.3	8.8			
10/19/2016					
10/20/2016					
10/24/2016	13.7				
10/25/2016		8.5			
12/6/2016					
12/7/2016	16.5				
12/8/2016		7.15			
1/24/2017					
1/26/2017	19.2	9.17			
3/21/2017					
3/22/2017					
3/23/2017	23.1	10.6			
5/22/2017					
5/23/2017					
5/24/2017	25.8				
5/25/2017		13.2			
10/3/2017					
10/4/2017	20.5	10			
6/4/2018					
6/5/2018		8.4			
6/6/2018	16.7				
10/1/2018					
10/2/2018					
10/3/2018	16.4	9.3			
4/1/2019					
4/2/2019					
4/4/2019					
4/5/2019	12.5	6.4			
9/23/2019					
9/24/2019	14.7				
9/25/2019		11.7			
3/25/2020					
3/26/2020					
3/30/2020	11.7				
3/31/2020		9.4			
6/16/2020					
9/15/2020		9.4			
9/16/2020			0.061 (J)	0.23	
9/17/2020					0.098 (J)
9/18/2020	11				
11/10/2020			0.057 (J)	0.29	
11/11/2020					0.058 (J)
12/15/2020			0.052 (J)	0.31	0.043 (J)
1/19/2021			0.049 (J)	0.4	

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-18	HGWA-43D (bg)	HGWA-44D (bg)	HGWA-42D (bg)
1/20/2021					0.045 (J)
3/10/2021				0.39	0.048
3/11/2021			0.06		
3/16/2021					
3/17/2021	11.8				
3/18/2021		8.9			
8/11/2021			0.042		
8/12/2021					0.044
8/13/2021				0.31	
8/18/2021	8.6				
8/19/2021		8.6			
2/1/2022			0.05	0.44	
2/7/2022					0.047
2/8/2022		8.1			
2/9/2022	9.9				
8/2/2022			0.043	0.31	
8/9/2022					0.055
8/10/2022		8.4			
8/11/2022	8.8				
1/23/2023					0.052
1/24/2023			0.037 (J)	0.44	
1/27/2023					
1/30/2023					
2/1/2023	7.7	5.9			
8/8/2023			0.038 (J)	0.55	0.048
8/13/2023	6.9	7.7			
2/13/2024			0.037 (J)	0.49	0.045
2/17/2024	7.3				
2/18/2024		7			
8/5/2024					
8/6/2024			0.043	0.52	1 (O)
8/8/2024					
8/9/2024		4.2			
8/10/2024	6.7				
2/12/2025			0.04 (J)	0.54	
2/14/2025					0.059
2/16/2025					
2/17/2025					
2/18/2025	6.2	2.4			
8/5/2025			0.039 (J)	0.45	0.05
8/8/2025	6.3	4			

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-4 (bg)	HGWA-3 (bg)	HGWA-5 (bg)	HGWA-2 (bg)	HGWA-6 (bg)	HGWC-17	HGWC-16	HGWC-14
5/19/2016	138	48.4	76.2	35.5	22.9				
5/20/2016						56.1			
5/23/2016							225	146	664
5/24/2016									
7/11/2016	97.2	73		35.4	22.3	49.3			
7/12/2016			61.5				199	142	528
8/30/2016	97.5	85.7	65.1	28	26.4	53.9			
9/1/2016							213	141	586
10/19/2016	99.2	89.7	73.2		21.7				
10/20/2016				26.7		50.7			
10/24/2016									564
10/25/2016							206	138	
12/6/2016	105	80	74.9		18.2				
12/7/2016							212	146	590
12/8/2016				23.5		49.2			
1/24/2017	95.7	30.8	69.6	24.5	18.5	48.3			
1/26/2017							198	139	558
3/21/2017	106	34	75.7	30.8	18.6	51.3			
3/22/2017							239	150	
3/23/2017									652
5/22/2017	107		71.5		17.8				
5/23/2017		43		24.2		49.1			
5/24/2017								153	617
5/25/2017							292		
10/3/2017	102	46.9	76.3	29	20.2	55.1			
10/4/2017							305	156	644
6/4/2018	124	81.9	73.4		19.1				
6/5/2018				27.8		54.5			
6/6/2018							299	177	606
10/1/2018	108	22 (J)	80.9		20.5 (J)				
10/2/2018				28.9		54.7			
10/3/2018							286	160	558
4/1/2019			80.5						
4/2/2019	132	76		26.3	22.5 (J)	49.7			
4/4/2019								196	
4/5/2019							340		606
9/23/2019	118		71		19.5				
9/24/2019		36.6		29.3		52.5			507
9/25/2019							305	185	
3/25/2020	127		89.8		23	58.1			
3/26/2020		14.9		27.8					
3/30/2020								208	600
3/31/2020							328		
6/16/2020	130		85.1						
9/15/2020	103	20.4	73.1	27.9	21.1	49.9			
9/16/2020							277		
9/17/2020								190	
9/18/2020									623
11/10/2020									
11/11/2020									
12/15/2020									
1/19/2021									

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-4 (bg)	HGWA-3 (bg)	HGWA-5 (bg)	HGWA-2 (bg)	HGWA-6 (bg)	HGWC-17	HGWC-16	HGWC-14
1/20/2021									
2/10/2021									
3/10/2021	111	5.9							
3/11/2021			83.8	28.3	43.8	53.1			
3/16/2021									
3/17/2021								198	572
3/18/2021							266		
8/11/2021	113								
8/12/2021		5.4	84	32	21.9	54.7			
8/13/2021									
8/18/2021							281		583
8/19/2021								207	
2/1/2022	106		85.1		27.2				
2/7/2022		5.9		30		53.4			
2/8/2022							280	218	
2/9/2022									571
8/2/2022	117	6	84.6		31.2				
8/9/2022									
8/10/2022				27.4		55.7	316	207	
8/11/2022									519
1/23/2023		24	85						
1/24/2023	117				29.4				
1/27/2023				28.5		55.4			
1/30/2023							286		
2/1/2023								216	464
8/8/2023	118	35.7	78.3	54.4	30.7	27.9			
8/13/2023							261	187	418
2/13/2024	116	31.1	83.6	20.6	38.8	55.4			
2/17/2024							199		418
2/18/2024								199	
8/5/2024	113		83.3		34.7				
8/6/2024		32.6		27		57.2			
8/8/2024							189		
8/9/2024								183	
8/10/2024									375
2/12/2025	125	21.5	86.6						
2/14/2025				24.4	51.5	52.1			
2/16/2025							176		
2/17/2025								158	
2/18/2025									341
8/5/2025	113	26.7	72.6	27.6	24.1	55.5			
8/8/2025							190	158	265

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-18	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-42D (bg)
5/19/2016					
5/20/2016					
5/23/2016	184				
5/24/2016		403			
7/11/2016					
7/12/2016	186	328			
8/30/2016					
9/1/2016	189	379			
10/19/2016					
10/20/2016					
10/24/2016	200				
10/25/2016		362			
12/6/2016					
12/7/2016	203				
12/8/2016		366			
1/24/2017					
1/26/2017	212	394			
3/21/2017					
3/22/2017					
3/23/2017	229	440			
5/22/2017					
5/23/2017					
5/24/2017	265				
5/25/2017		492			
10/3/2017					
10/4/2017	230	470			
6/4/2018					
6/5/2018		425			
6/6/2018	250				
10/1/2018					
10/2/2018					
10/3/2018	234	421			
4/1/2019					
4/2/2019					
4/4/2019	214				
4/5/2019		400			
9/23/2019					
9/24/2019	202				
9/25/2019		437			
3/25/2020					
3/26/2020	240				
3/30/2020					
3/31/2020		418			
6/16/2020					
9/15/2020		430			
9/16/2020			30	56	
9/17/2020	188				43.8
9/18/2020					
11/10/2020			33.6	63.3	
11/11/2020					44.4
12/15/2020			28.7	62.6	47.3
1/19/2021			33	60.1	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-18	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-42D (bg)
1/20/2021					41.8
2/10/2021		397			
3/10/2021			12.1 (D)		43.4
3/11/2021				59.6	
3/16/2021	196				
3/17/2021					
3/18/2021		407			
8/11/2021				61	
8/12/2021					43.6
8/13/2021			28.9		
8/18/2021					
8/19/2021	203	416			
2/1/2022			24.8	55.9	
2/7/2022					48.7
2/8/2022	186	418			
2/9/2022					
8/2/2022			20.9	54.1	
8/9/2022					44.1
8/10/2022		433			
8/11/2022	210				
1/23/2023					43.7
1/24/2023			13.2	56.6	
1/27/2023					
1/30/2023					
2/1/2023	174	288			
8/8/2023			8.1	52.8	40.7
8/13/2023	182	355			
2/13/2024			9.9	53.3	47.7
2/17/2024	175				
2/18/2024		347			
8/5/2024					
8/6/2024			7.1	57.2	44.8
8/8/2024	182				
8/9/2024		182			
8/10/2024					
2/12/2025			7.2	61.8	
2/14/2025					46.5
2/16/2025					
2/17/2025	142				
2/18/2025		109			
8/5/2025			6	55.2	42.8
8/8/2025	160	147			

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-4 (bg)	HGWA-3 (bg)	HGWA-5 (bg)	HGWA-2 (bg)	HGWA-6 (bg)	HGWC-17	HGWC-16	HGWC-14
5/19/2016	9.94	4.56	5.93	1.57	6.14				
5/20/2016						1.35			
5/23/2016							94	25.8	659
5/24/2016									
7/11/2016	6.3	5		2	5.9	1.7			
7/12/2016			6.2				100	34	620
8/30/2016	6	4.9	6.4	2	6.2	1.6			
9/1/2016							95	34	510
10/19/2016	5.8	4.6	6.5		6.1				
10/20/2016				2.2		1.6			
10/24/2016									110
10/25/2016							98	35	
12/6/2016	5.4	4.5	7.2		6				
12/7/2016							89	38	510
12/8/2016				2		1.6			
1/24/2017	5.2	4.7	6.4	1.6	6.1	1.9			
1/26/2017							99	41	640
3/21/2017	4.6	4.3	7.5	2	5.9	1.3			
3/22/2017							100	41	
3/23/2017									600
5/22/2017	4.6		6.5		5.9				
5/23/2017		4.5		1.7		1.2			
5/24/2017								44	510
5/25/2017							99		
10/3/2017	5.6	4.8	6.5	1.7	6.3	2.1			
10/4/2017							130	50	420
6/4/2018	13.1	4.5	6.3		6.1				
6/5/2018				1.6		1.2			
6/6/2018							166	50.6	357
10/1/2018	6.6	3.8	6.4		6.4				
10/2/2018				2.4		1.7			
10/3/2018							193	49.9	368
4/1/2019			6.5						
4/2/2019	20.3	4.4		1.7	5.8	1.6			
4/4/2019								76.8	
4/5/2019							195		227
9/23/2019	17.7		5.9		5.1				
9/24/2019		3.6		1.7		1.3			188
9/25/2019							139	84.4	
3/25/2020	20.4		6.1		5.2	1.2			
3/26/2020		3.4		1.4					
3/30/2020								80.2	236
3/31/2020							161		
6/16/2020	41.1		5.8						
9/15/2020	13.4	3.3	6	1.7	5	1.2			
9/16/2020							156		
9/17/2020								99.3	
9/18/2020									288
11/10/2020									
11/11/2020									
12/15/2020									
1/19/2021									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-4 (bg)	HGWA-3 (bg)	HGWA-5 (bg)	HGWA-2 (bg)	HGWA-6 (bg)	HGWC-17	HGWC-16	HGWC-14
1/20/2021									
2/10/2021									
3/10/2021	7.4	2.9							
3/11/2021			5.9	1.4	5.1	1.2			
3/16/2021									
3/17/2021								93.8	233
3/18/2021							138		
8/11/2021	9.6								
8/12/2021		2.4	4.8	1.4	5.2	0.94 (J)			
8/13/2021									
8/18/2021							90.7		141
8/19/2021								90.1	
2/1/2022	7.5		5.7		7				
2/7/2022		2.4		1.4		1.1			
2/8/2022							117	96.4	
2/9/2022									174
8/2/2022	14.1	2.9	5.9		7.8				
8/9/2022									
8/10/2022				2.1		1.3	148	98.3	
8/11/2022									147
1/23/2023		1.6	5.6						
1/24/2023	9				7.1				
1/27/2023				1.6		1.4			
1/30/2023							154		
2/1/2023								112	108
8/8/2023	26	2.6	5.3	1.3	6.6	2.1			
8/13/2023							109	89.1	95.8
2/13/2024	10	1.4	5.3	1.8	6.3	1.4			
2/17/2024							81.7		88.9
2/18/2024								87.5	
8/5/2024	8.7		5.2		7.9				
8/6/2024		2.3		2.1		1.3			
8/8/2024							70.2		
8/9/2024								74.8	
8/10/2024									84.9
2/12/2025	4.8	1.4	5						
2/14/2025				1.4	8.5	0.98 (J)			
2/16/2025							77.7		
2/17/2025								87.8	
2/18/2025									92
8/5/2025	17.2	1.5	5.5	1.8	9.6	1.3			
8/8/2025							81.3	71.3	65.1

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-18	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-42D (bg)
5/19/2016					
5/20/2016					
5/23/2016	209				
5/24/2016		280			
7/11/2016					
7/12/2016	190	300			
8/30/2016					
9/1/2016	200	270			
10/19/2016					
10/20/2016					
10/24/2016	200				
10/25/2016		290			
12/6/2016					
12/7/2016	240				
12/8/2016		300			
1/24/2017					
1/26/2017	260	340			
3/21/2017					
3/22/2017					
3/23/2017	280	350			
5/22/2017					
5/23/2017					
5/24/2017	240				
5/25/2017		290			
10/3/2017					
10/4/2017	210	260			
6/4/2018					
6/5/2018		261			
6/6/2018	196				
10/1/2018					
10/2/2018					
10/3/2018	200	302			
4/1/2019					
4/2/2019					
4/4/2019	138				
4/5/2019		217			
9/23/2019					
9/24/2019	120				
9/25/2019		181			
3/25/2020					
3/26/2020	142				
3/30/2020					
3/31/2020		126			
6/16/2020					
9/15/2020		150			
9/16/2020			5.65 (D)	4.1	
9/17/2020	108				5.8
9/18/2020					
11/10/2020			7.8	4.4	
11/11/2020					3.1
12/15/2020			9.4	4.7	3.2
1/19/2021			9.5	4.1	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-18	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-42D (bg)
1/20/2021					2.8
2/10/2021		93.4			
3/10/2021			12.3		3
3/11/2021				4.5	
3/16/2021	103				
3/17/2021					
3/18/2021		90.2			
8/11/2021				3.5	
8/12/2021					2.6
8/13/2021			39.9		
8/18/2021					
8/19/2021	89.9	95.8			
2/1/2022			44.8	4.1	
2/7/2022					3.1
2/8/2022	76.6	105			
2/9/2022					
8/2/2022			19.8	4.3	
8/9/2022					3.7
8/10/2022		95.2			
8/11/2022	89.2				
1/23/2023					3.3
1/24/2023			24.9	4.3	
1/27/2023					
1/30/2023					
2/1/2023	85	92.7			
8/8/2023			27	3.5	3.2
8/13/2023	78.2	104			
2/13/2024			27.7	3.9	4.1
2/17/2024	70.2				
2/18/2024		99			
8/5/2024					
8/6/2024			30.2	4	3.3
8/8/2024	80.2				
8/9/2024		53.7			
8/10/2024					
2/12/2025			30.7	3.8	
2/14/2025					3.1
2/16/2025					
2/17/2025	62.8				
2/18/2025		44.7			
8/5/2025			29.7	4	3.1
8/8/2025	69.3	50.7			

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-2 (bg)	HGWA-5 (bg)	HGWA-6 (bg)	HGWC-14	HGWC-15	HGWC-17
5/19/2016	0.105 (J)	0.0513 (J)	0.036 (J)	0.0303 (J)	0.08 (J)				
5/20/2016						0.065 (J)			
5/23/2016							<0.1	<0.1	<0.1
5/24/2016									
7/11/2016	0.16 (J)		0.09 (J)	0.05 (J)	0.09 (J)	0.13 (J)			
7/12/2016		0.12 (J)					0.2 (J)	0.09 (J)	0.09 (J)
8/30/2016	0.09 (J)	0.09 (J)	0.06 (J)	0.06 (J)	0.08 (J)	0.07 (J)			
9/1/2016							0.08 (J)	0.22 (J)	0.03 (J)
10/19/2016	0.1 (J)	0.1 (J)	0.07 (J)	0.04 (J)					
10/20/2016					0.1 (J)	0.06 (J)			
10/24/2016							0.04 (J)	0.07 (J)	
10/25/2016									0.07 (J)
12/6/2016	0.11 (J)	0.21 (J)	0.07 (J)	0.36					
12/7/2016							0.11 (J)	0.23 (J)	0.54
12/8/2016					0.08 (J)	0.06 (J)			
1/24/2017	0.09 (J)	0.06 (J)	<0.1	<0.1	0.09 (J)	0.02 (J)			
1/26/2017							0.13 (J)	<0.1	<0.1
3/21/2017	0.13 (J)	0.005 (J)	<0.1	<0.1	0.04 (J)	0.08 (J)			
3/22/2017									0.07 (J)
3/23/2017							0.28 (J)	0.12 (J)	
5/22/2017	0.12 (J)	0.05 (J)		<0.1					
5/23/2017			0.01 (J)		0.04 (J)	0.006 (J)			
5/24/2017							0.32	0.31	
5/25/2017									0.42
10/3/2017	0.13 (J)	0.13 (J)	<0.1	<0.1	0.06 (J)	<0.1			
10/4/2017							0.52	0.6	0.93
4/2/2018	<0.1		<0.1	<0.1					
4/3/2018		<0.1			<0.1	<0.1		<0.1	<0.1
4/4/2018							<0.1		
6/4/2018	0.074 (J)	<0.1	0.097 (J)	<0.1					
6/5/2018					0.083 (J)	0.055 (J)			
6/6/2018							0.25 (J)	0.17 (J)	0.23 (J)
10/1/2018	<0.1	<0.1	<0.1	<0.1					
10/2/2018					<0.1	0.076 (J)			
10/3/2018							0.21 (J)	<0.1	<0.1
3/11/2019			0.035 (J)						
3/12/2019	0.29 (J)	0.072 (J)		0.038 (J)	0.079 (J)	0.061 (J)			
3/14/2019							0.24 (J)	<0.1	
3/15/2019									<0.1
4/1/2019		0.029 (J)							
4/2/2019	0.1 (J)		<0.1	0.071 (J)	0.12 (J)	<0.1			
4/4/2019								0.066 (J)	
4/5/2019							0.66		0.16 (J)
9/23/2019	0.078 (J)	<0.1		<0.1					
9/24/2019			<0.1		0.058 (J)	<0.1	0.053 (J)	0.12 (J)	
9/25/2019									0.081 (J)
3/2/2020	0.076 (J)	<0.1	<0.1	<0.1	0.053 (J)	<0.1			
3/3/2020							<0.1	0.064 (J)	<0.1
3/25/2020	0.098 (J)	<0.1		<0.1		<0.1			
3/26/2020			<0.1		0.066 (J)			<0.1	
3/30/2020							0.092 (J)		
3/31/2020									<0.1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-2 (bg)	HGWA-5 (bg)	HGWA-6 (bg)	HGWC-14	HGWC-15	HGWC-17
6/16/2020	0.071 (J)	<0.1							
8/25/2020		<0.1		<0.1					
8/28/2020	0.08 (J)								
9/15/2020	0.082 (J)	<0.1	<0.1	<0.1	0.061 (J)	<0.1			
9/16/2020									0.058 (J)
9/17/2020								<0.1	
9/18/2020							<0.1		
11/10/2020									
11/11/2020									
12/15/2020									
1/19/2021									
1/20/2021									
2/8/2021	0.078 (J)		<0.1						
2/9/2021		0.074 (J)		<0.1	0.053 (J)	<0.1			
2/10/2021									
2/11/2021							0.059 (J)		0.058 (J)
2/12/2021								0.053 (J)	
3/10/2021	0.079 (J)		<0.1						
3/11/2021		<0.1		0.1	0.06 (J)	0.17			
3/16/2021								<0.1	
3/17/2021							0.076 (J)		
3/18/2021									0.057 (J)
8/11/2021	0.058 (J)								
8/12/2021		<0.1	<0.1	<0.1	<0.1	<0.1			
8/13/2021									
8/18/2021							<0.1		0.062 (J)
8/19/2021								<0.1	
2/1/2022	0.064 (J)	<0.1		<0.1					
2/7/2022			<0.1		<0.1	<0.1			
2/8/2022								<0.1	0.055 (J)
2/9/2022							0.053 (J)		
8/2/2022	0.09 (J)	0.067 (J)	0.076 (J)	0.053 (J)					
8/9/2022									
8/10/2022					0.078 (J)	0.067 (J)			0.086 (J)
8/11/2022							0.085 (J)	0.097 (J)	
1/23/2023		0.061 (J)	0.12						
1/24/2023	0.089 (J)			0.053 (J)					
1/27/2023					0.088 (J)	0.067 (J)			
1/30/2023									0.097 (J)
2/1/2023							0.094 (J)	0.086 (J)	
8/8/2023	0.088 (J)	0.055 (J)	0.11	0.07 (J)	0.059 (J)	0.072 (J)			
8/13/2023							0.1	0.12	0.081 (J)
2/13/2024	0.071 (J)	<0.1	0.13	0.17	0.059 (J)	0.065 (J)			
2/17/2024							0.065 (J)	0.064 (J)	0.057 (J)
2/18/2024									
8/5/2024	0.11	0.077 (J)		0.12					
8/6/2024			0.19		0.098 (J)	0.08 (J)			
8/8/2024								0.08 (J)	0.066 (J)
8/9/2024									
8/10/2024							0.19		
2/12/2025	0.1	0.073 (J)	0.16						
2/14/2025				0.1	<0.1	<0.1			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-3 (bg)	HGWA-4 (bg)	HGWA-2 (bg)	HGWA-5 (bg)	HGWA-6 (bg)	HGWC-14	HGWC-15	HGWC-17
2/16/2025									0.05 (J)
2/17/2025								0.052 (J)	
2/18/2025							0.055 (J)		
8/5/2025	0.055 (J)	<0.1	0.12	<0.1	0.054 (J)	0.064 (J)			
8/8/2025							0.08 (J)	0.12	0.083 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-16	HGWC-18	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-42D (bg)
5/19/2016					
5/20/2016					
5/23/2016	0.038 (J)				
5/24/2016		<0.1			
7/11/2016					
7/12/2016	0.26 (J)	0.54			
8/30/2016					
9/1/2016	0.42	0.49			
10/19/2016					
10/20/2016					
10/24/2016					
10/25/2016	0.25 (J)	0.58			
12/6/2016					
12/7/2016	0.23 (J)				
12/8/2016		0.63			
1/24/2017					
1/26/2017	0.02 (J)	0.71			
3/21/2017					
3/22/2017	0.3				
3/23/2017		0.57			
5/22/2017					
5/23/2017					
5/24/2017	0.46				
5/25/2017		0.54			
10/3/2017					
10/4/2017	<0.1	0.95			
4/2/2018					
4/3/2018	<0.1	0.33			
4/4/2018					
6/4/2018					
6/5/2018		0.66			
6/6/2018	<0.1				
10/1/2018					
10/2/2018					
10/3/2018	<0.1	0.32			
3/11/2019					
3/12/2019					
3/14/2019		0.88			
3/15/2019	<0.1				
4/1/2019					
4/2/2019					
4/4/2019	<0.1				
4/5/2019		0.37			
9/23/2019					
9/24/2019					
9/25/2019	<0.1	0.73			
3/2/2020					
3/3/2020	<0.1	0.34			
3/25/2020					
3/26/2020					
3/30/2020	0.059 (J)				
3/31/2020		0.45			

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-16	HGWC-18	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-42D (bg)
6/16/2020					
8/25/2020					
8/28/2020					
9/15/2020		0.31			
9/16/2020			0.37 (D)	0.22	
9/17/2020	<0.1				0.2
9/18/2020					
11/10/2020			0.59	0.19	
11/11/2020					0.1
12/15/2020			0.67	0.21	0.11
1/19/2021			0.74	0.16	
1/20/2021					0.082 (J)
2/8/2021					0.096 (J)
2/9/2021			0.44	0.19	
2/10/2021	0.21				
2/11/2021		0.71			
2/12/2021					
3/10/2021			0.65		0.11
3/11/2021				0.2	
3/16/2021					
3/17/2021	<0.1				
3/18/2021		0.64			
8/11/2021				0.15	
8/12/2021					0.079 (J)
8/13/2021			0.87		
8/18/2021					
8/19/2021	<0.1	0.31			
2/1/2022			0.96	0.19	
2/7/2022					0.085 (J)
2/8/2022	<0.1	0.19			
2/9/2022					
8/2/2022			0.8	0.22	
8/9/2022					0.12
8/10/2022	0.054 (J)	0.3			
8/11/2022					
1/23/2023					0.11
1/24/2023			1.3	0.23	
1/27/2023					
1/30/2023					
2/1/2023	0.053 (J)	0.21			
8/8/2023			1.3	0.18	0.1
8/13/2023	0.053 (J)	0.25			
2/13/2024			1.5	0.2	0.087 (J)
2/17/2024					
2/18/2024	<0.1	0.17			
8/5/2024					
8/6/2024			1.3	0.21	0.12
8/8/2024					
8/9/2024	0.052 (J)	0.28			
8/10/2024					
2/12/2025			1.1	0.21	
2/14/2025					0.073 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-16	HGWC-18	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-42D (bg)
2/16/2025					
2/17/2025	<0.1				
2/18/2025		0.067 (J)			
8/5/2025			0.87	0.16	0.11
8/8/2025	0.051 (J)	0.2			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-5 (bg)	HGWA-4 (bg)	HGWA-6 (bg)	HGWC-15	HGWC-16	HGWC-14
5/19/2016	7.27	5.81	7.45	6.62	6.51				
5/20/2016						7.58			
5/23/2016							6.17	7.15	4.56
5/24/2016									
7/11/2016	7.06	5.68		6.54	6.65	7.32			
7/12/2016			7.32				6.17	7.1	4.49
8/30/2016	7.28	5.63	7.43	6.38	7.14	7.69			
9/1/2016							6.22	7.29	4.54
10/19/2016	7.02	5.46	7.03		7.08				
10/20/2016				6.52		7.43			
10/24/2016							5.97		4.63
10/25/2016								7.03	
12/6/2016	7.09	5.38	7.08		7				
12/7/2016							5.87	6.85	4.6
12/8/2016				6.5		7.56			
1/24/2017	7.2	5.37	7.39	6.59	6.16	7.52			
1/26/2017							6.05	7.07	4.8
3/21/2017	7.01	4.9	6.83	6.55	6.07	7.4			
3/22/2017								7.15	
3/23/2017							5.79		4.57
5/22/2017	7.11	5.2	7.02						
5/23/2017				6.5	6.28	7.53			
5/24/2017							6.01	7.11	4.61
5/25/2017									
10/3/2017	7.21	5.3	7.47	6.63	6.45	7.51			
10/4/2017							5.82	7.17	4.74
4/2/2018	7.1	5.4			6.23				
4/3/2018			7.38	6.59		7.53	5.98	7.07	
4/4/2018									4.5
6/4/2018	7.06	5.27	7.38		6.82				
6/5/2018				6.44		7.37			
6/6/2018							6.12	7	4.49
10/1/2018	7.09	5.31	7.13		5.73				
10/2/2018				6.35		7.36			
10/3/2018							5.92	6.94	4.67
3/11/2019					6.27				
3/12/2019	7.03	5.42	7.29	6.42		7.5			
3/14/2019							5.71		4.66
3/15/2019								7.09	
4/1/2019			7.16						
4/2/2019	6.86	5.41		6.38	6.66	7.46			
4/4/2019							5.66	6.95	
4/5/2019									4.67
9/23/2019	7.02	5.33	7.3						
9/24/2019				6.4	6.16	7.41	6.33		4.77
9/25/2019								6.92	
9/30/2019	7	5.35	7.37						
3/2/2020	7.1	5.43	7.12	6.8	5.63	7.67			
3/3/2020							6	7.1	4.77
3/25/2020	6.95	5.36	7.4			7.39			
3/26/2020				6.38	5.77		6.03		
3/30/2020								7.09	4.57

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-5 (bg)	HGWA-4 (bg)	HGWA-6 (bg)	HGWC-15	HGWC-16	HGWC-14
3/31/2020									
6/16/2020	6.97		7.31						
8/25/2020		5.15	7.14						
8/28/2020	7.02								
9/15/2020	7.15	5.22	7.29	6.33	5.75	7.37			
9/16/2020									
9/17/2020							6.11	7.11	
9/18/2020									4.88
11/10/2020									
11/11/2020									
12/15/2020									
1/19/2021									
1/20/2021									
2/8/2021	7.11				4.94				
2/9/2021		5.42	7.23	6.35		7.4			
2/10/2021								7.08	
2/11/2021									4.84
2/12/2021							5.99		
3/10/2021	6.95				5.28				
3/11/2021		5.8	7.33	6.48		7.56			
3/16/2021							6.08		
3/17/2021								7.19	4.72
3/18/2021									
8/11/2021	6.98								
8/12/2021		5.05	7.31	6.462679	5.26	7.47			
8/13/2021									
8/18/2021									4.9
8/19/2021							6.18	7.04	
2/1/2022	7.19	5.24	7.45						
2/7/2022				6.51	5.24	7.65			
2/8/2022							6.04	7.18	
2/9/2022									4.97
8/2/2022	7.03	4.57	7.02		4.86				
8/9/2022									
8/10/2022				6.22		7.53		7.09	
8/11/2022							6.29		4.93
1/23/2023			7.32		5.62				
1/24/2023	6.76	5.22							
1/27/2023				6.52		7.66			
1/30/2023									
2/1/2023							6.22	7.15	4.93
8/8/2023	7.05	5.01	7.42	6.5	6.03	7.6			
8/13/2023							6.66	7.13	4.83
2/13/2024	7.06	5.49	7.35	6.66	5.98	7.59			
2/17/2024							6.56		5.05
2/18/2024								7.12	
8/5/2024	7.29	4.91	7.27						
8/6/2024				6.4	6.14	7.56			
8/8/2024							6.6		
8/9/2024								7.32	
8/10/2024									4.88
2/12/2025	7.08		7.37		5.69				

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-3 (bg)	HGWA-5 (bg)	HGWA-4 (bg)	HGWA-6 (bg)	HGWC-15	HGWC-16	HGWC-14
2/14/2025		5.75	7.45	6.52	5.94	7.6			
2/16/2025									
2/17/2025							6.53	7.36	
2/18/2025									4.81
8/5/2025	6.94	4.9	7.12	6.42	5.58	7.47			
8/8/2025							6.59	7.11	4.65

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-42D (bg)
5/19/2016					
5/20/2016					
5/23/2016	6.4				
5/24/2016		4.83			
7/11/2016					
7/12/2016	6.09	4.58			
8/30/2016					
9/1/2016	6.35	4.51			
10/19/2016					
10/20/2016					
10/24/2016					
10/25/2016	6.23	4.53			
12/6/2016					
12/7/2016	6.23				
12/8/2016		4.56			
1/24/2017					
1/26/2017	6.24	4.61			
3/21/2017					
3/22/2017	6.25				
3/23/2017		4.63			
5/22/2017					
5/23/2017					
5/24/2017					
5/25/2017	6.27	4.69			
10/3/2017					
10/4/2017	6.18	4.58			
4/2/2018					
4/3/2018	6.22	4.54			
4/4/2018					
6/4/2018					
6/5/2018		4.57			
6/6/2018	6.22				
10/1/2018					
10/2/2018					
10/3/2018	6.23	4.41			
3/11/2019					
3/12/2019					
3/14/2019		4.39			
3/15/2019	6.32				
4/1/2019					
4/2/2019					
4/4/2019					
4/5/2019	6.26	4.5			
9/23/2019					
9/24/2019					
9/25/2019	6.28	4.54			
9/30/2019					
3/2/2020					
3/3/2020	6.35	4.55			
3/25/2020					
3/26/2020					
3/30/2020					

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-42D (bg)
3/31/2020	6.28	4.43			
6/16/2020					
8/25/2020					
8/28/2020					
9/15/2020		4.47			
9/16/2020	6.35		7.83	7.52	
9/17/2020					7.62
9/18/2020					
11/10/2020			7.84	7.27	
11/11/2020					7.68
12/15/2020			7.87	7.39	7.64
1/19/2021			7.86	7.39	
1/20/2021					7.68
2/8/2021					7.64
2/9/2021			7.84	7.44	
2/10/2021		4.55			
2/11/2021	6.31	4.53			
2/12/2021					
3/10/2021			7.92		7.7
3/11/2021				7.46	
3/16/2021					
3/17/2021					
3/18/2021	6.43	4.54			
8/11/2021				7.4	
8/12/2021					7.7
8/13/2021			7.77		
8/18/2021	6.43				
8/19/2021		4.43			
2/1/2022			8.25	7.52	
2/7/2022					7.85
2/8/2022	6.42	4.59			
2/9/2022					
8/2/2022			7.9	7.15	
8/9/2022					7.58
8/10/2022	6.29	4.41			
8/11/2022					
1/23/2023					7.55
1/24/2023			8.22	7.56	
1/27/2023					
1/30/2023	6.44				
2/1/2023		4.66			
8/8/2023			8.2	7.39	7.72
8/13/2023	6.46	4.75			
2/13/2024			8.1	7.47	7.68
2/17/2024	6.54				
2/18/2024		4.73			
8/5/2024					
8/6/2024			8.36	7.46	7.64
8/8/2024	6.9				
8/9/2024		4.95			
8/10/2024					
2/12/2025			8.49	7.5	

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-17	HGWC-18	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-42D (bg)
2/14/2025					7.79
2/16/2025	6.47				
2/17/2025					
2/18/2025		5			
8/5/2025			8.46	7.42	7.42
8/8/2025	6.42	4.72			

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-4 (bg)	HGWA-3 (bg)	HGWA-5 (bg)	HGWA-2 (bg)	HGWA-6 (bg)	HGWC-17	HGWC-16	HGWC-14
5/19/2016	66.9	1.22	42.3	25	48.6				
5/20/2016						34.4			
5/23/2016							395	203	1070
5/24/2016									
7/11/2016	41	3.7		27	45	34			
7/12/2016			44				460	220	1300
8/30/2016	36	6.8	40	23	42	36			
9/1/2016							430	220	1300
10/19/2016	46	11	43		44				
10/20/2016				19		36			
10/24/2016									280
10/25/2016							440	230	
12/6/2016	59	13	43		44				
12/7/2016							410	220	1300
12/8/2016				20		36			
1/24/2017	46	5.7	48	20	46	37			
1/26/2017							440	250	1400
3/21/2017	63	1.7	45	23	46	37			
3/22/2017							460	240	
3/23/2017									1500
5/22/2017	77		46		48				
5/23/2017		1.5		21		38			
5/24/2017								230	1400
5/25/2017							430		
10/3/2017	42	1.3	48	21	47	38			
10/4/2017							490	220	1400
6/4/2018	71.8	4.9	46.6		47.8				
6/5/2018				22.9		38			
6/6/2018							520	233	1520
10/1/2018	49.1	0.59 (J)	48.6		48.1				
10/2/2018				20.3		38.5			
10/3/2018							651	215	1550
4/1/2019			50.4						
4/2/2019	84.3	4.9		23.8	48.7	35.5			
4/4/2019								251	
4/5/2019							642		1520
9/23/2019	70.2		43.9		47.2				
9/24/2019		<1		20.7		35.4			1110
9/25/2019							434	223	
3/25/2020	85.9		50.5		46.3	35.1			
3/26/2020		<1		21.6					
3/30/2020								223	1150
3/31/2020							484		
6/16/2020	88.2		49.5						
9/15/2020	47.3	<1	44.7	21.2	51.5	35.3			
9/16/2020							467		
9/17/2020								254	
9/18/2020									1260
11/10/2020									
11/11/2020									
12/15/2020									
1/19/2021									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-4 (bg)	HGWA-3 (bg)	HGWA-5 (bg)	HGWA-2 (bg)	HGWA-6 (bg)	HGWC-17	HGWC-16	HGWC-14
1/20/2021									
2/10/2021									
3/10/2021	49.6	1.2							
3/11/2021			50.4	22.7	52.9	35.5			
3/16/2021									
3/17/2021								250	1300
3/18/2021							447		
8/11/2021	48.9								
8/12/2021		1.1	38.6	17.4	47.4	28.6			
8/13/2021									
8/18/2021							280		768
8/19/2021								228	
2/1/2022	43.7		46		67.1				
2/7/2022		2.9		20.6		33			
2/8/2022							364	238	
2/9/2022									1190
8/2/2022	58.1	4.9	43.5		86.9				
8/9/2022									
8/10/2022				19.7		34	423	206	
8/11/2022									1200
1/23/2023		42.5	39.5						
1/24/2023	48.3				79.7				
1/27/2023				22.7		35			
1/30/2023							451		
2/1/2023								257	1060
8/8/2023	67.7	16.8	35	32.7	89.9	18.8			
8/13/2023							351	214	935
2/13/2024	50.4	64.6	35.5	21.8	93.9	35.3			
2/17/2024							260		898
2/18/2024								220	
8/5/2024	49.4		31.1		87.2				
8/6/2024		28.1		17.4		33.5			
8/8/2024							238		
8/9/2024								190	
8/10/2024									854
2/12/2025	43.8	35.2	28						
2/14/2025				18.2	94.5	30.8			
2/16/2025							224		
2/17/2025								200	
2/18/2025									790
8/5/2025	57.6	46.3	24.9	19.1	74	33.4			
8/8/2025							271	185	683

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-18	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-42D (bg)
5/19/2016					
5/20/2016					
5/23/2016	424				
5/24/2016		834			
7/11/2016					
7/12/2016	440	930			
8/30/2016					
9/1/2016	440	890			
10/19/2016					
10/20/2016					
10/24/2016	420				
10/25/2016		950			
12/6/2016					
12/7/2016	450				
12/8/2016		910			
1/24/2017					
1/26/2017	490	970			
3/21/2017					
3/22/2017					
3/23/2017	530	980			
5/22/2017					
5/23/2017					
5/24/2017	500				
5/25/2017		920			
10/3/2017					
10/4/2017	560	870			
6/4/2018					
6/5/2018		962			
6/6/2018	469				
10/1/2018					
10/2/2018					
10/3/2018	600	1170			
4/1/2019					
4/2/2019					
4/4/2019	528				
4/5/2019		1030			
9/23/2019					
9/24/2019	382				
9/25/2019		920			
3/25/2020					
3/26/2020	438				
3/30/2020					
3/31/2020		934			
6/16/2020					
9/15/2020		1080			
9/16/2020			24.95 (D)	43	
9/17/2020	416				10.9
9/18/2020					
11/10/2020			6.3	39	
11/11/2020					9.4
12/15/2020			6.7	38.8	10.9
1/19/2021			7.4	37.3	

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-18	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-42D (bg)
1/20/2021					9.8
2/10/2021		1040			
3/10/2021			<1		10.8
3/11/2021				38.6	
3/16/2021	379				
3/17/2021					
3/18/2021		1050			
8/11/2021				30.5	
8/12/2021					7.8
8/13/2021			56.1		
8/18/2021					
8/19/2021	223	934			
2/1/2022			56.3	37.5	
2/7/2022					10.4
2/8/2022	360	960			
2/9/2022					
8/2/2022			13.2	37	
8/9/2022					11.2
8/10/2022		946			
8/11/2022	365				
1/23/2023					11.1
1/24/2023			10.1	34.7	
1/27/2023					
1/30/2023					
2/1/2023	341	776			
8/8/2023			1.3	25.6	10.5
8/13/2023	281	895			
2/13/2024			2	28.9	17.1
2/17/2024	305				
2/18/2024		755			
8/5/2024					
8/6/2024			0.86 (J)	25.5	11.5
8/8/2024	286				
8/9/2024		413			
8/10/2024					
2/12/2025			0.51 (J)	25.2	
2/14/2025					11.6
2/16/2025					
2/17/2025	277				
2/18/2025		289			
8/5/2025			0.85 (J)	22.4	10.8
8/8/2025	255	350			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-5 (bg)	HGWA-4 (bg)	HGWA-3 (bg)	HGWA-6 (bg)	HGWC-17	HGWC-14	HGWC-15
5/19/2016	421	143	168	165	267				
5/20/2016						223			
5/23/2016							1010	4130	1270
5/24/2016									
7/11/2016	363	125	158	266		225			
7/12/2016					249		976	3140	1100
8/30/2016	330	168	141	292	254	232			
9/1/2016							1060	3200	1180
10/19/2016	380	176		338	357				
10/20/2016			99			225			
10/24/2016								2920	1090
10/25/2016							<25		
12/6/2016	377	145		356	285				
12/7/2016							866	2740	1040
12/8/2016			116			235			
1/24/2017	342	129	156	131	300	272			
1/26/2017							1000	3080	1260
3/21/2017	340	103	144	132	288	222			
3/22/2017							1080		
3/23/2017								3060	1360
5/22/2017	338	92			263				
5/23/2017			134	183		231			
5/24/2017								3140	1320
5/25/2017							1080		
10/3/2017	343	127	147	161	300	243			
10/4/2017							1210	3210	1340
6/4/2018	415	140		240	266				
6/5/2018			152			235			
6/6/2018							1180	2620	1120
10/1/2018	354	135		106	291				
10/2/2018			146			228			
10/3/2018							1250	2430	1140
4/1/2019					284				
4/2/2019	452	133	144	230		238			
4/4/2019									926
4/5/2019							1260	2310	
9/23/2019	442	129			268				
9/24/2019			133	131		222		2470	1105 (D)
9/25/2019							1280		
3/25/2020	496	138			284	240			
3/26/2020			104	69					1000
3/30/2020								2590	
3/31/2020							1310		
6/16/2020	632				448				
9/15/2020	265	124	116	93	258	217			
9/16/2020							1220		
9/17/2020									956
9/18/2020								2440	
11/10/2020									
11/11/2020									
12/15/2020									
1/19/2021									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWA-1 (bg)	HGWA-2 (bg)	HGWA-5 (bg)	HGWA-4 (bg)	HGWA-3 (bg)	HGWA-6 (bg)	HGWC-17	HGWC-14	HGWC-15
1/20/2021									
3/10/2021	348			53					
3/11/2021		169	118		267	215			
3/16/2021									92
3/17/2021								1640	
3/18/2021							1020		
8/11/2021	366								
8/12/2021		118	158	55	265	229			
8/13/2021									
8/18/2021							1290	2350	
8/19/2021									958
2/1/2022	270	156			350				
2/7/2022			135	54		224			
2/8/2022							1160		866
2/9/2022								2310	
8/2/2022	400	196		48	287				
8/9/2022									
8/10/2022			134			217	1390		
8/11/2022								1060	940
1/23/2023				128	293				
1/24/2023	369	164							
1/27/2023			182			229			
1/30/2023							1320		
2/1/2023								1950	892
8/8/2023	457	189	225	141	285	125			
8/13/2023							1180	1960	881
2/13/2024	402	214	155	176	284	240			
2/17/2024							815	1720	830
2/18/2024									
8/5/2024	444	217			304				
8/6/2024			141	159		247			
8/8/2024							768		890
8/9/2024									
8/10/2024								1780	
2/12/2025	374			128	267				
2/14/2025		242	126			225			
2/16/2025							670		
2/17/2025									764
2/18/2025								1600	
8/5/2025	416	160	143	156	265	237			
8/8/2025							880	1350	810

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-16	HGWC-18	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-42D (bg)
5/19/2016					
5/20/2016					
5/23/2016	570				
5/24/2016		1900			
7/11/2016					
7/12/2016	585	1950			
8/30/2016					
9/1/2016	625	2000			
10/19/2016					
10/20/2016					
10/24/2016					
10/25/2016	563	1870			
12/6/2016					
12/7/2016	561				
12/8/2016		1930			
1/24/2017					
1/26/2017	608	1950			
3/21/2017					
3/22/2017	599				
3/23/2017		2080			
5/22/2017					
5/23/2017					
5/24/2017	598				
5/25/2017		1970			
10/3/2017					
10/4/2017	626	2200			
6/4/2018					
6/5/2018		1880			
6/6/2018	678				
10/1/2018					
10/2/2018					
10/3/2018	700	2180			
4/1/2019					
4/2/2019					
4/4/2019	704				
4/5/2019		1610			
9/23/2019					
9/24/2019					
9/25/2019	813	1955 (D)			
3/25/2020					
3/26/2020					
3/30/2020	787				
3/31/2020		1860			
6/16/2020					
9/15/2020		1890			
9/16/2020			270	272	
9/17/2020	804				188
9/18/2020					
11/10/2020			287	307	
11/11/2020					175
12/15/2020			295	289	193
1/19/2021			278	270	

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 10/15/2025 1:38 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-16	HGWC-18	HGWA-44D (bg)	HGWA-43D (bg)	HGWA-42D (bg)
1/20/2021					158
3/10/2021			289		163
3/11/2021				279	
3/16/2021					
3/17/2021	768				
3/18/2021		1390			
8/11/2021				277	
8/12/2021					179
8/13/2021			436		
8/18/2021					
8/19/2021	816	1750			
2/1/2022			444	156	
2/7/2022					190
2/8/2022	852	1770			
2/9/2022					
8/2/2022			311	278	
8/9/2022					182
8/10/2022	894	1890			
8/11/2022					
1/23/2023					168
1/24/2023			363	271	
1/27/2023					
1/30/2023					
2/1/2023	1030	1430			
8/8/2023			361	274	175
8/13/2023	861	1700			
2/13/2024			379	291	212
2/17/2024					
2/18/2024	755	1360			
8/5/2024					
8/6/2024			380	283	191
8/8/2024					
8/9/2024	766	864			
8/10/2024					
2/12/2025			363	273	
2/14/2025					192
2/16/2025					
2/17/2025	768				
2/18/2025		598			
8/5/2025			370	282	182
8/8/2025	728	710			

FIGURE E.

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 10/15/2025, 1:43 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**HGWA-2 (bg)**	**0.002437**	**196**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWA-43D (bg)**	**-0.004011**	**-55**	**-48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWA-44D (bg)**	**0.05214**	**61**	**48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWC-14**	**-1.26**	**-202**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWC-16**	**0.1338**	**146**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWC-18**	**-0.5365**	**-152**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-2 (bg)**	**1.502**	**148**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-3 (bg)**	**1.61**	**138**	**118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-4 (bg)**	**-5.305**	**-125**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-44D (bg)**	**-5.893**	**-71**	**-48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWC-14**	**-24.03**	**-159**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWC-16**	**7.699**	**155**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWA-3 (bg)**	**-0.158**	**-198**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWA-4 (bg)**	**-0.3846**	**-244**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWA-44D (bg)**	**5.375**	**59**	**48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWC-14**	**-58.6**	**-233**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWC-15**	**-19.18**	**-222**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWC-16**	**8.717**	**194**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWC-18**	**-30.32**	**-227**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWA-2 (bg)**	**4.265**	**212**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWA-6 (bg)**	**-0.3385**	**-118**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWA-43D (bg)**	**-3.534**	**-79**	**-48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**HGWC-15**	**-23.04**	**-161**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**HGWC-14**	**-188.1**	**-222**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**HGWC-15**	**-49**	**-188**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**HGWC-16**	**40.18**	**183**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**HGWC-18**	**-78.53**	**-166**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 10/15/2025, 1:43 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	HGWA-1 (bg)	0	-6	-118	No	26	0	n/a	n/a	0.01	NP
Boron (mg/L)	**HGWA-2 (bg)**	**0.002437**	**196**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	HGWA-3 (bg)	0.0003332	61	118	No	26	23.08	n/a	n/a	0.01	NP
Boron (mg/L)	HGWA-4 (bg)	0.0009026	72	111	No	25	4	n/a	n/a	0.01	NP
Boron (mg/L)	HGWA-5 (bg)	0.0008045	94	111	No	25	20	n/a	n/a	0.01	NP
Boron (mg/L)	HGWA-6 (bg)	-0.0002273	-33	-105	No	24	4.167	n/a	n/a	0.01	NP
Boron (mg/L)	HGWA-42D (bg)	0.0003167	4	43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	**HGWA-43D (bg)**	**-0.004011**	**-55**	**-48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWA-44D (bg)**	**0.05214**	**61**	**48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**HGWC-14**	**-1.26**	**-202**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	HGWC-15	-0.05018	-85	-111	No	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	**HGWC-16**	**0.1338**	**146**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	HGWC-17	-0.006556	-14	-111	No	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	**HGWC-18**	**-0.5365**	**-152**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	HGWA-1 (bg)	1.77	101	118	No	26	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**HGWA-2 (bg)**	**1.502**	**148**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-3 (bg)**	**1.61**	**138**	**118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWA-4 (bg)**	**-5.305**	**-125**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	HGWA-5 (bg)	-0.1277	-29	-111	No	25	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-6 (bg)	0.3808	78	111	No	25	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-42D (bg)	0.107	3	48	No	14	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWA-43D (bg)	-1.279	-31	-48	No	14	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**HGWA-44D (bg)**	**-5.893**	**-71**	**-48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**HGWC-14**	**-24.03**	**-159**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	HGWC-15	-4.119	-95	-111	No	25	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**HGWC-16**	**7.699**	**155**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	HGWC-17	-1.216	-13	-111	No	25	0	n/a	n/a	0.01	NP
Calcium (mg/L)	HGWC-18	-10.87	-78	-118	No	26	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-1 (bg)	0.5362	82	118	No	26	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-2 (bg)	0.1567	83	111	No	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**HGWA-3 (bg)**	**-0.158**	**-198**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWA-4 (bg)**	**-0.3846**	**-244**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	HGWA-5 (bg)	-0.02932	-61	-111	No	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-6 (bg)	-0.03905	-81	-111	No	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-42D (bg)	0	5	48	No	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	HGWA-43D (bg)	-0.09838	-33	-48	No	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**HGWA-44D (bg)**	**5.375**	**59**	**48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWC-14**	**-58.6**	**-233**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWC-15**	**-19.18**	**-222**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**HGWC-16**	**8.717**	**194**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	HGWC-17	-0.9508	-14	-111	No	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**HGWC-18**	**-30.32**	**-227**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	HGWA-1 (bg)	0.3568	22	118	No	26	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**HGWA-2 (bg)**	**4.265**	**212**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	HGWA-3 (bg)	-1.043	-79	-118	No	26	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-4 (bg)	1.446	64	111	No	25	12	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWA-5 (bg)	-0.2801	-69	-111	No	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**HGWA-6 (bg)**	**-0.3385**	**-118**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	HGWA-42D (bg)	0.2032	33	48	No	14	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**HGWA-43D (bg)**	**-3.534**	**-79**	**-48**	**Yes**	**14**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	HGWA-44D (bg)	-1.694	-33	-48	No	14	7.143	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-14	-55.98	-110	-111	No	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**HGWC-15**	**-23.04**	**-161**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	HGWC-16	-1.195	-37	-111	No	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-17	-17.21	-95	-111	No	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	HGWC-18	-15.21	-61	-118	No	26	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-1 (bg)	4.696	67	118	No	26	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-2 (bg)	6.642	107	111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-3 (bg)	0.2987	18	118	No	26	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-4 (bg)	-15.15	-108	-111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-5 (bg)	-0.05966	-5	-111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-6 (bg)	0	-6	-111	No	25	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-42D (bg)	3.025	21	48	No	14	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-43D (bg)	0.2267	1	48	No	14	0	n/a	n/a	0.01	NP
TDS (mg/L)	HGWA-44D (bg)	20.52	46	48	No	14	0	n/a	n/a	0.01	NP
TDS (mg/L)	**HGWC-14**	**-188.1**	**-222**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**HGWC-15**	**-49**	**-188**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**HGWC-16**	**40.18**	**183**	**111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

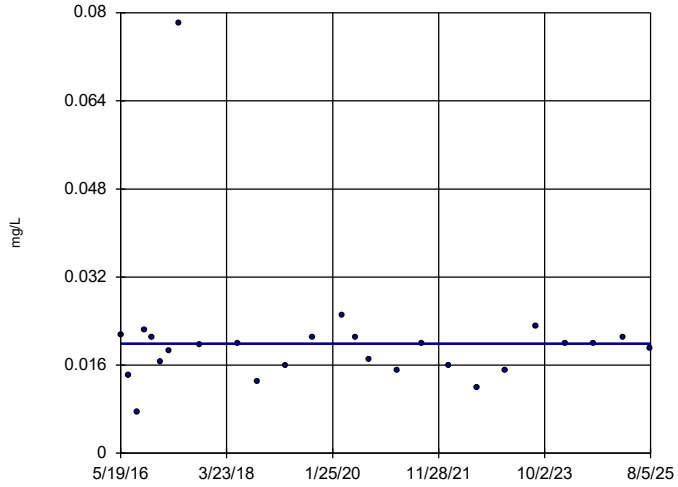
Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 10/15/2025, 1:43 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
TDS (mg/L)	HGWC-17	20.66	48	111	No	25	4	n/a	n/a	0.01	NP
TDS (mg/L)	**HGWC-18**	**-78.53**	**-166**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-1 (bg)



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = -6
critical = -118

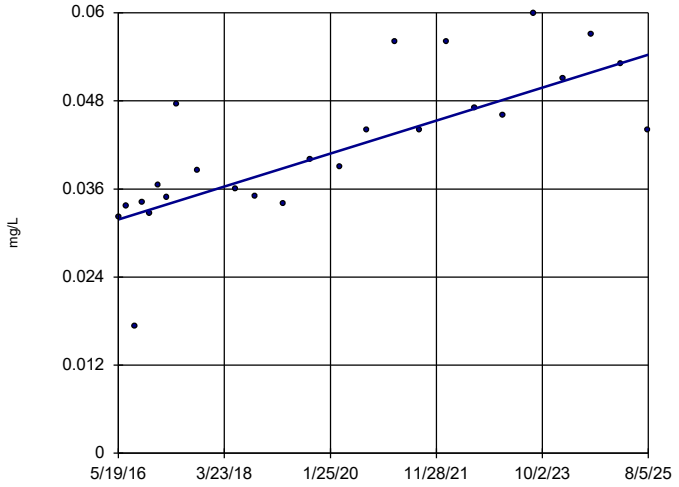
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/15/2025 1:40 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-2 (bg)



n = 25

Slope = 0.002437 units per year.

Mann-Kendall statistic = 196
critical = 111

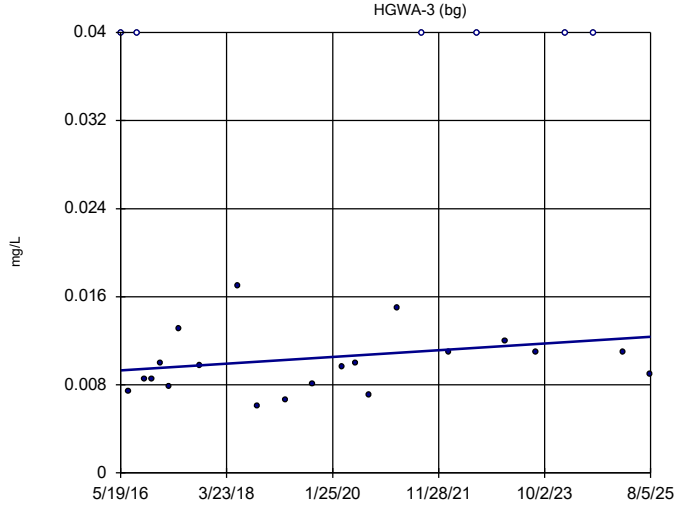
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/15/2025 1:40 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-3 (bg)



n = 26

Slope = 0.0003332 units per year.

Mann-Kendall statistic = 61
critical = 118

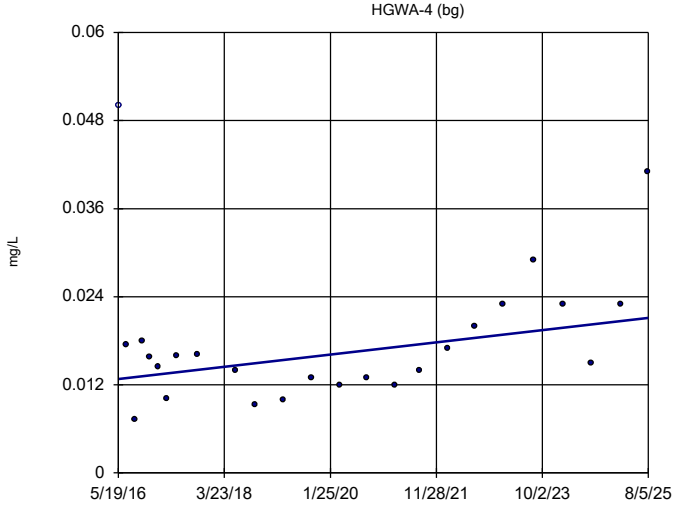
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/15/2025 1:40 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-4 (bg)



n = 25

Slope = 0.0009026 units per year.

Mann-Kendall statistic = 72
critical = 111

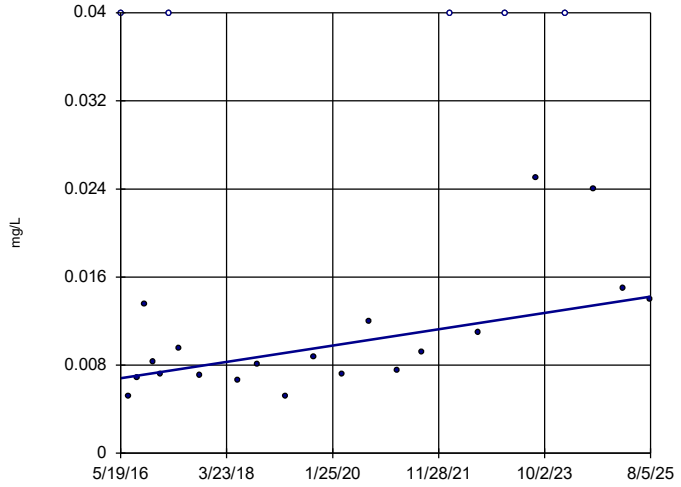
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/15/2025 1:40 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-5 (bg)



n = 25

Slope = 0.0008045 units per year.

Mann-Kendall statistic = 94
critical = 111

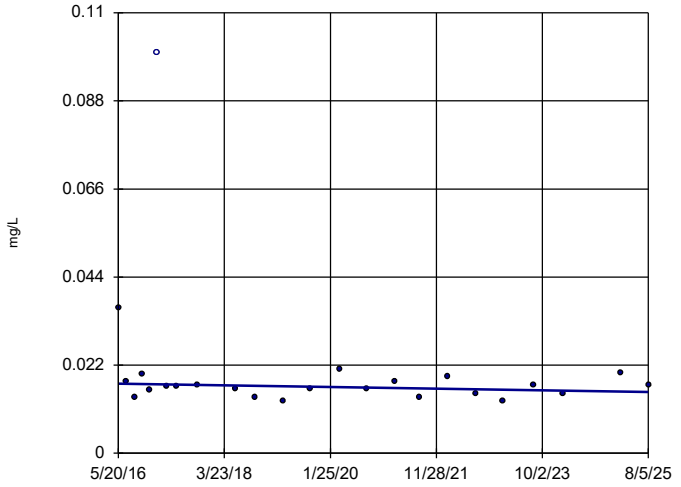
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/15/2025 1:40 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-6 (bg)



n = 24

Slope = -0.0002273 units per year.

Mann-Kendall statistic = -33
critical = -105

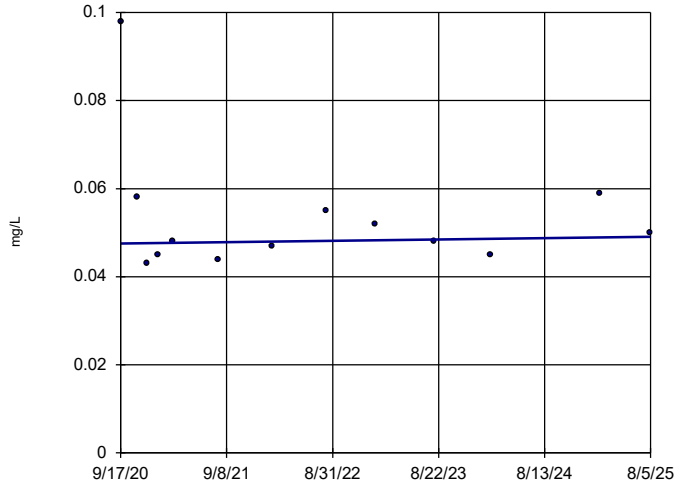
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/15/2025 1:40 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-42D (bg)



n = 13

Slope = 0.0003167 units per year.

Mann-Kendall statistic = 4
critical = 43

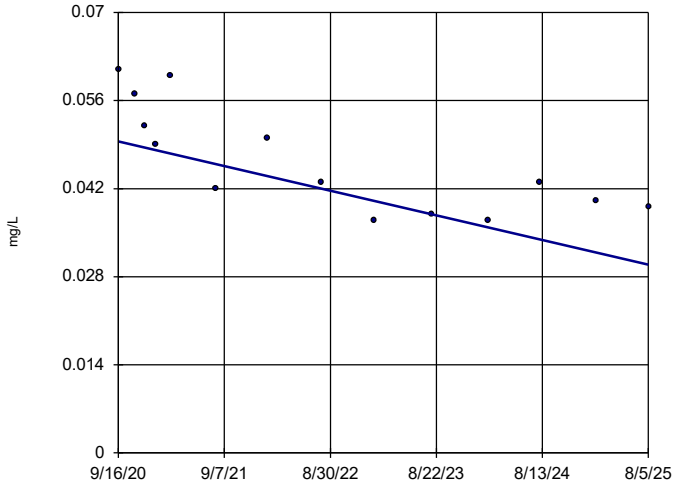
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/15/2025 1:40 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-43D (bg)



n = 14

Slope = -0.004011 units per year.

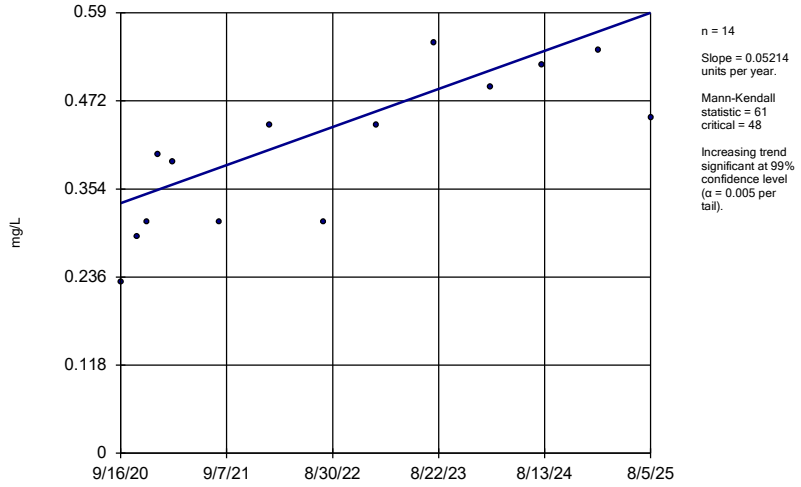
Mann-Kendall statistic = -55
critical = -48

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/15/2025 1:40 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWA-44D (bg)



n = 14

Slope = 0.05214 units per year.

Mann-Kendall statistic = 61 critical = 48

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

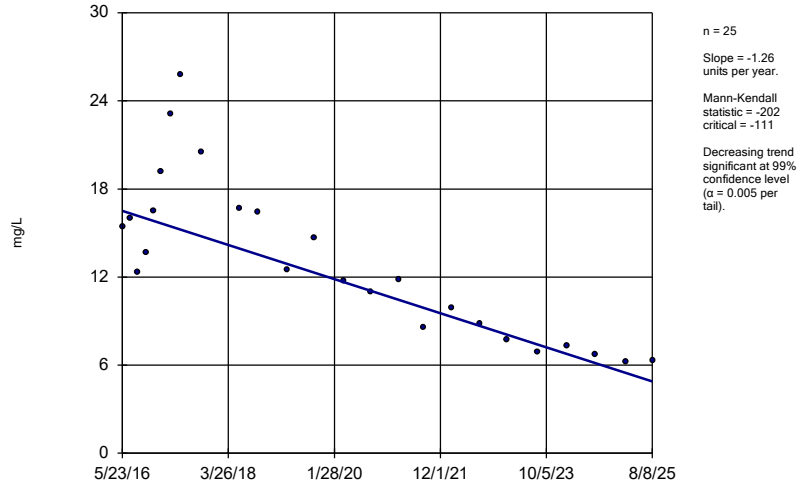
Constituent: Boron Analysis Run 10/15/2025 1:40 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-14



n = 25

Slope = -1.26 units per year.

Mann-Kendall statistic = -202 critical = -111

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

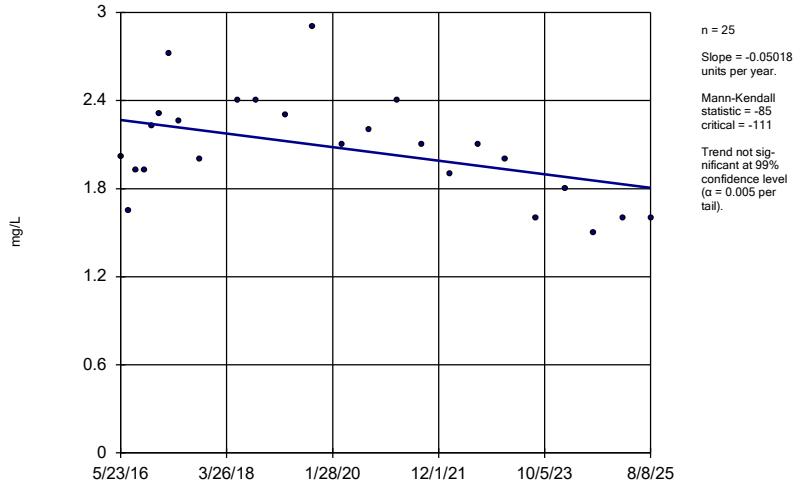
Constituent: Boron Analysis Run 10/15/2025 1:40 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-15



n = 25

Slope = -0.05018 units per year.

Mann-Kendall statistic = -85 critical = -111

Trend not significant at 99% confidence level (α = 0.005 per tail).

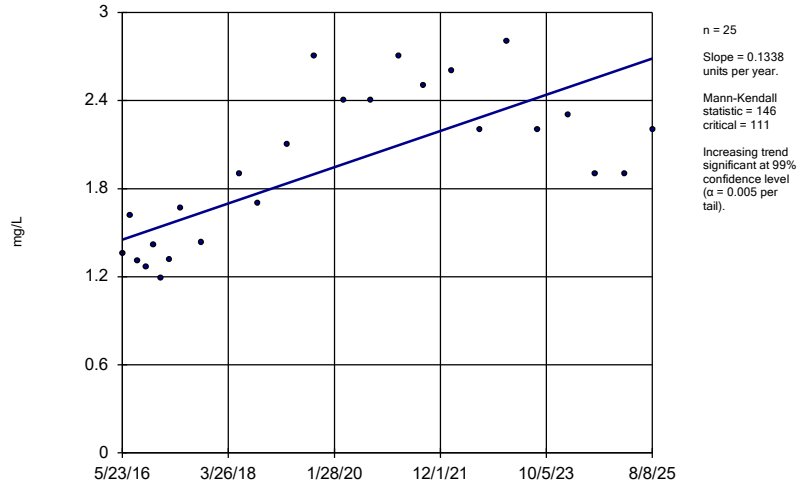
Constituent: Boron Analysis Run 10/15/2025 1:40 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-16



n = 25

Slope = 0.1338 units per year.

Mann-Kendall statistic = 146 critical = 111

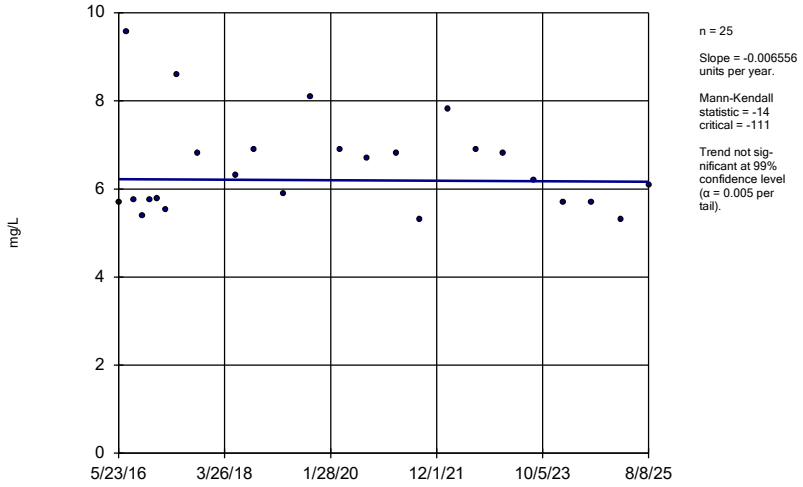
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/15/2025 1:40 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWC-17



n = 25

Slope = -0.006556 units per year.

Mann-Kendall statistic = -14 critical = -111

Trend not significant at 99% confidence level (α = 0.005 per tail).

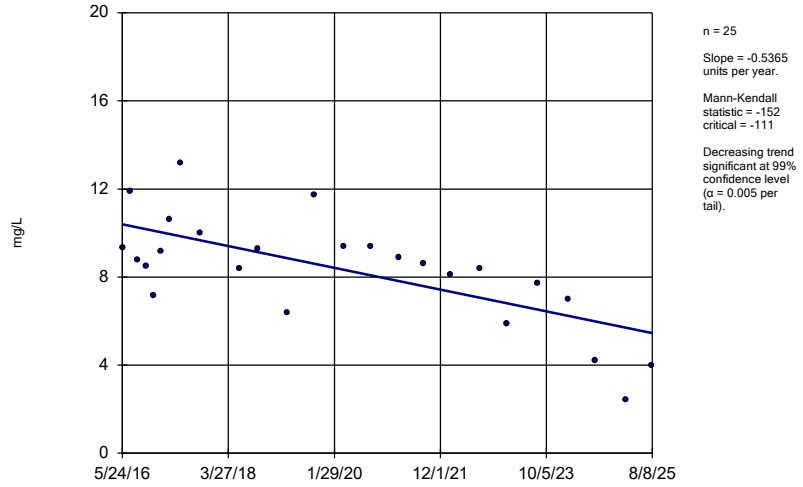
Constituent: Boron Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-18



n = 25

Slope = -0.5365 units per year.

Mann-Kendall statistic = -152 critical = -111

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

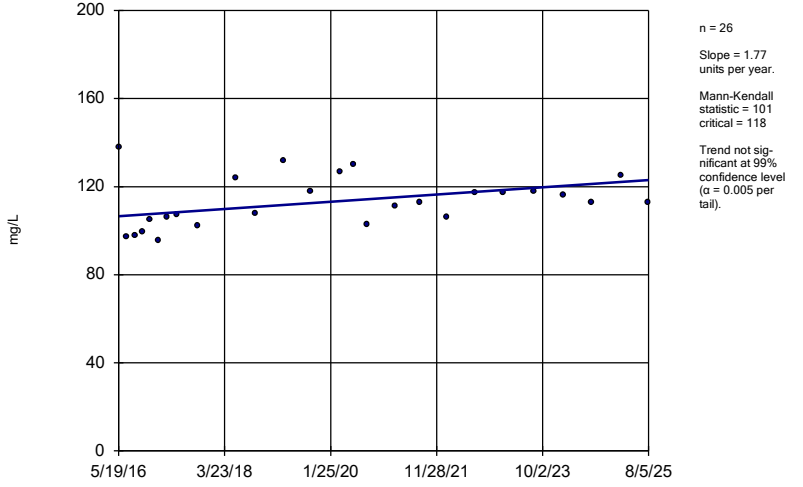
Constituent: Boron Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-1 (bg)



n = 26

Slope = 1.77 units per year.

Mann-Kendall statistic = 101 critical = 118

Trend not significant at 99% confidence level (α = 0.005 per tail).

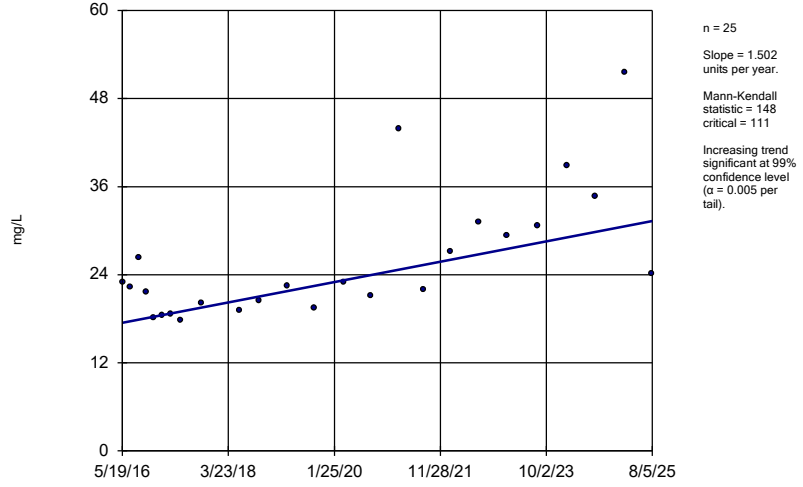
Constituent: Calcium Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-2 (bg)



n = 25

Slope = 1.502 units per year.

Mann-Kendall statistic = 148 critical = 111

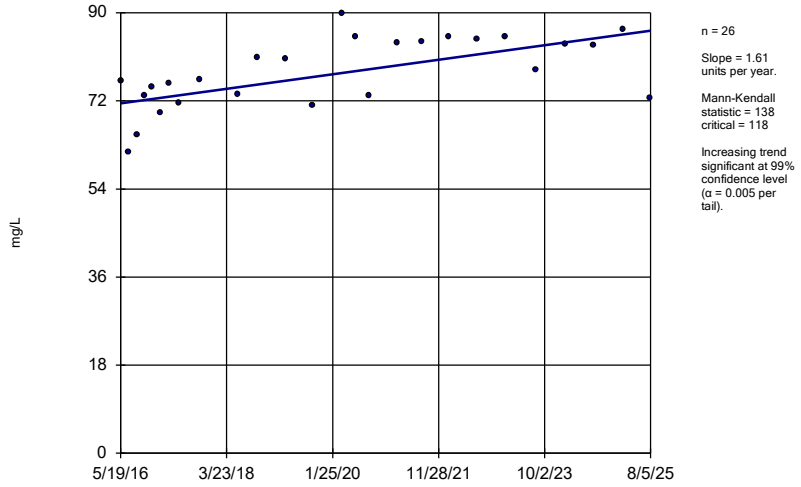
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWA-3 (bg)



n = 26

Slope = 1.61 units per year.

Mann-Kendall statistic = 138
critical = 118

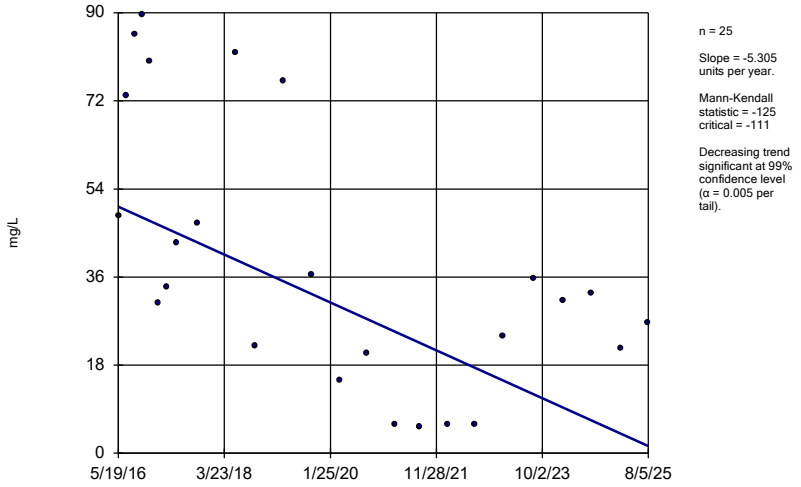
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-4 (bg)



n = 25

Slope = -5.305 units per year.

Mann-Kendall statistic = -125
critical = -111

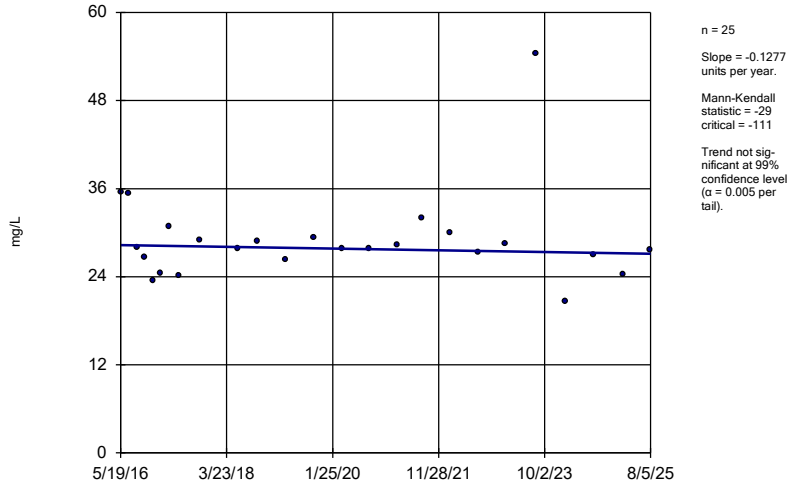
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-5 (bg)



n = 25

Slope = -0.1277 units per year.

Mann-Kendall statistic = -29
critical = -111

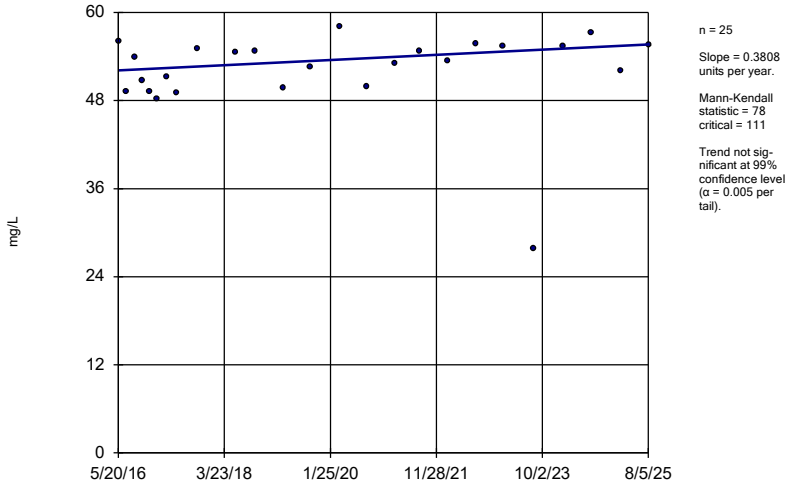
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-6 (bg)



n = 25

Slope = 0.3808 units per year.

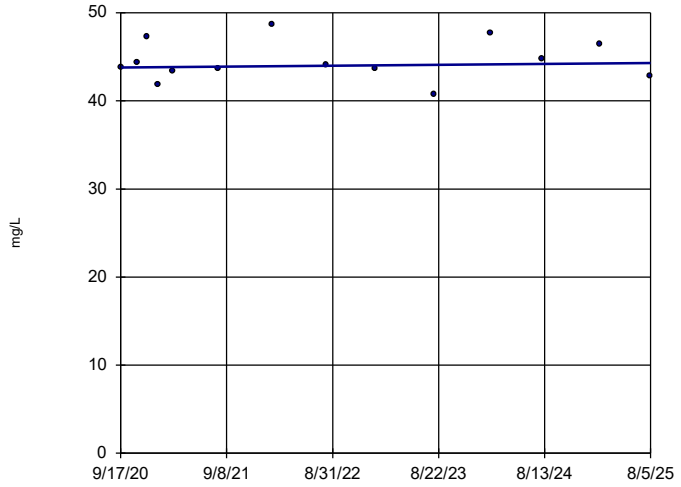
Mann-Kendall statistic = 78
critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWA-42D (bg)



n = 14

Slope = 0.107 units per year.

Mann-Kendall statistic = 3
critical = 48

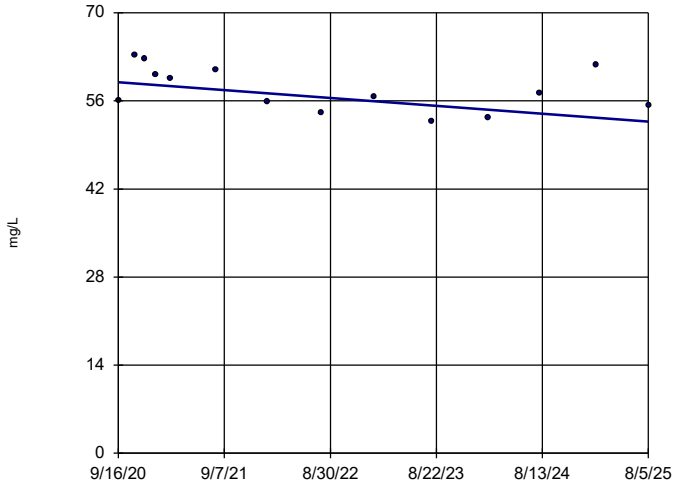
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-43D (bg)



n = 14

Slope = -1.279 units per year.

Mann-Kendall statistic = -31
critical = -48

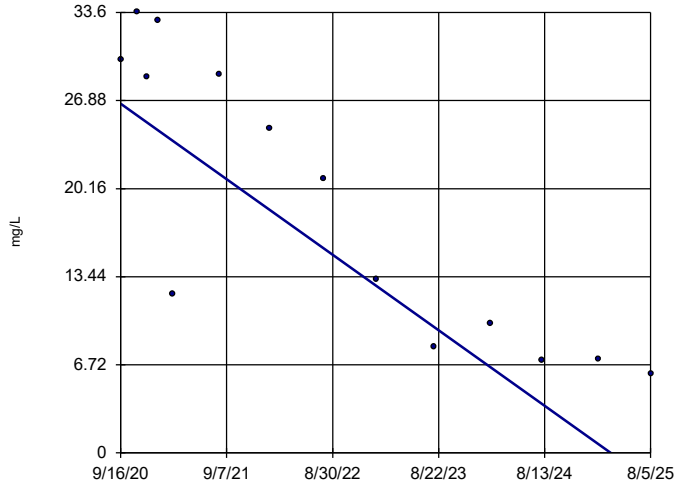
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-44D (bg)



n = 14

Slope = -5.893 units per year.

Mann-Kendall statistic = -71
critical = -48

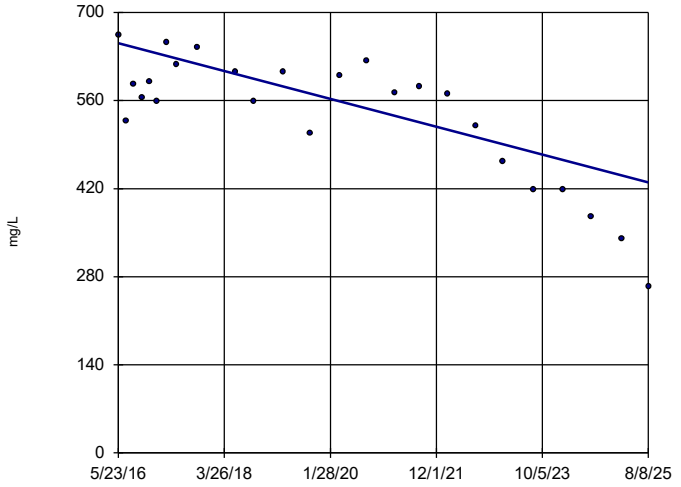
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-14



n = 25

Slope = -24.03 units per year.

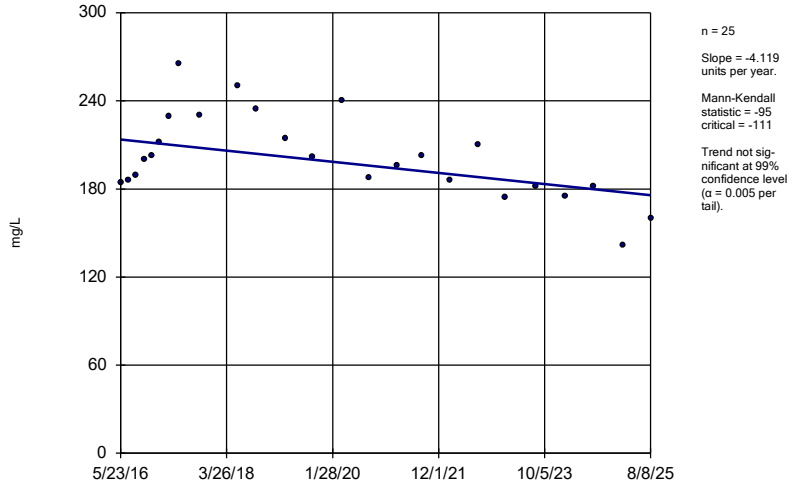
Mann-Kendall statistic = -159
critical = -111

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWC-15



n = 25

Slope = -4.119 units per year.

Mann-Kendall statistic = -95 critical = -111

Trend not significant at 99% confidence level (α = 0.005 per tail).

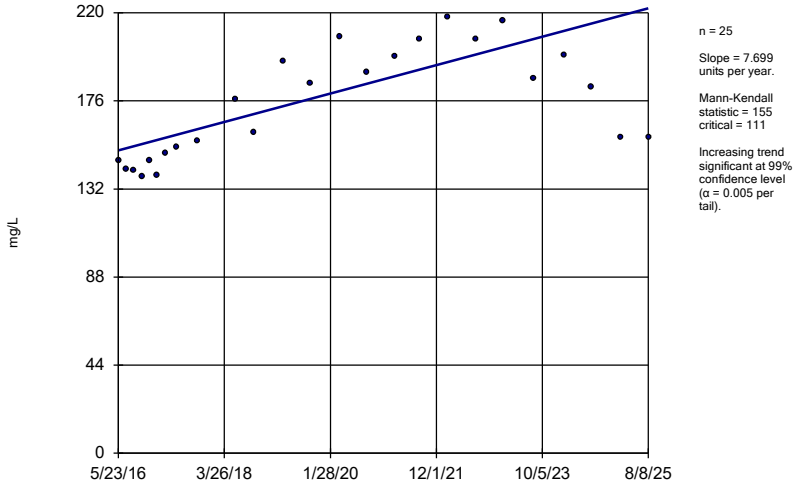
Constituent: Calcium Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-16



n = 25

Slope = 7.699 units per year.

Mann-Kendall statistic = 155 critical = 111

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

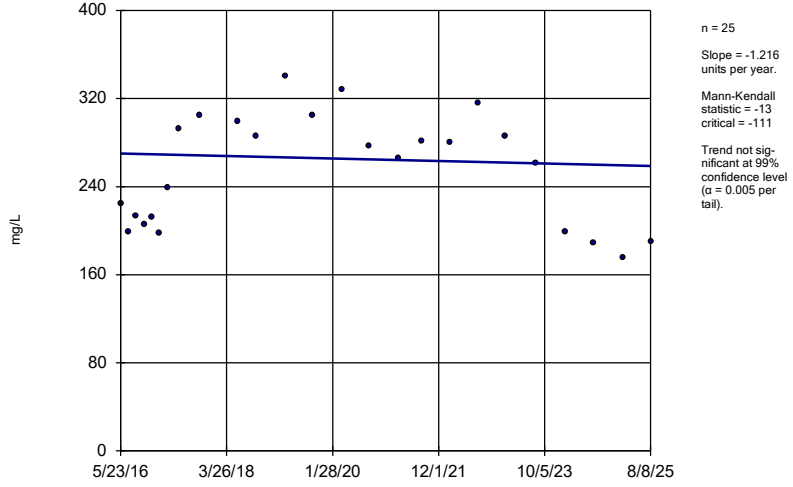
Constituent: Calcium Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-17



n = 25

Slope = -1.216 units per year.

Mann-Kendall statistic = -13 critical = -111

Trend not significant at 99% confidence level (α = 0.005 per tail).

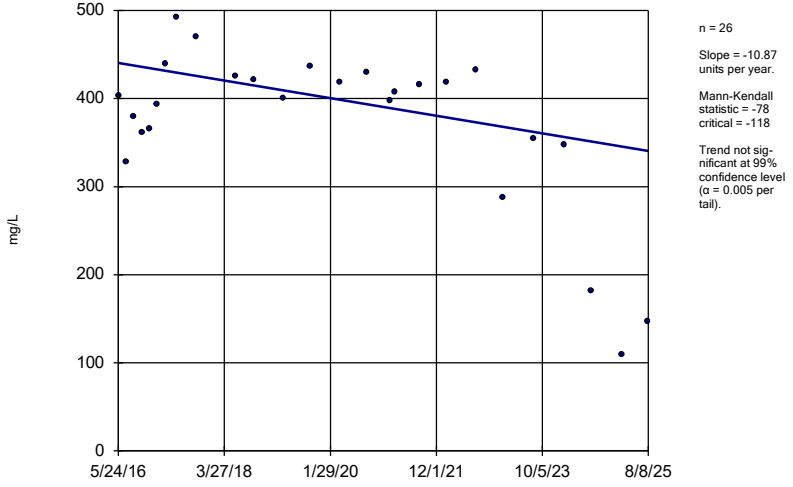
Constituent: Calcium Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-18



n = 26

Slope = -10.87 units per year.

Mann-Kendall statistic = -78 critical = -118

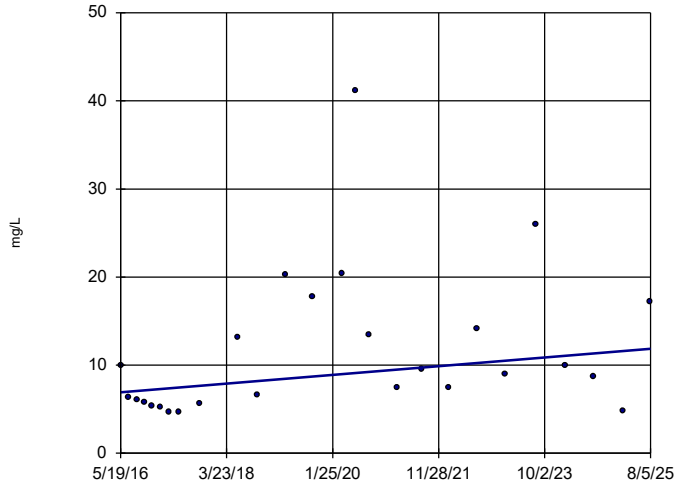
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWA-1 (bg)



n = 26

Slope = 0.5362 units per year.

Mann-Kendall statistic = 82 critical = 118

Trend not significant at 99% confidence level (α = 0.005 per tail).

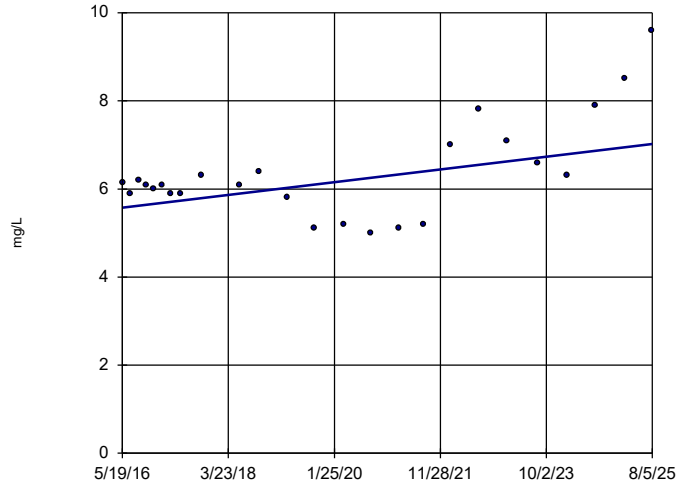
Constituent: Chloride Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-2 (bg)



n = 25

Slope = 0.1567 units per year.

Mann-Kendall statistic = 83 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

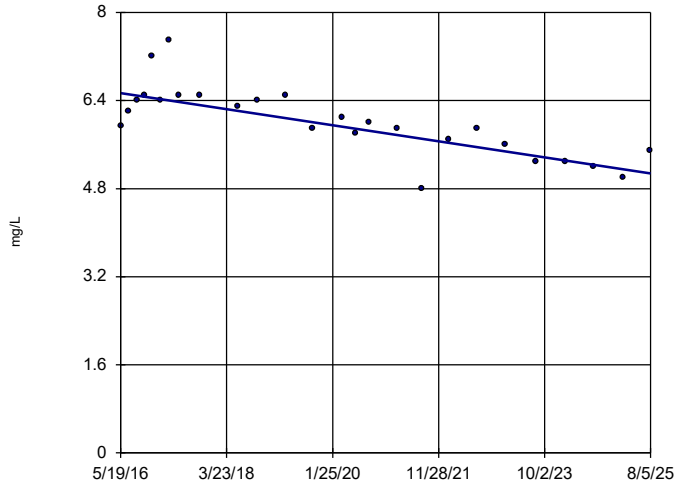
Constituent: Chloride Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-3 (bg)



n = 26

Slope = -0.158 units per year.

Mann-Kendall statistic = -198 critical = -118

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

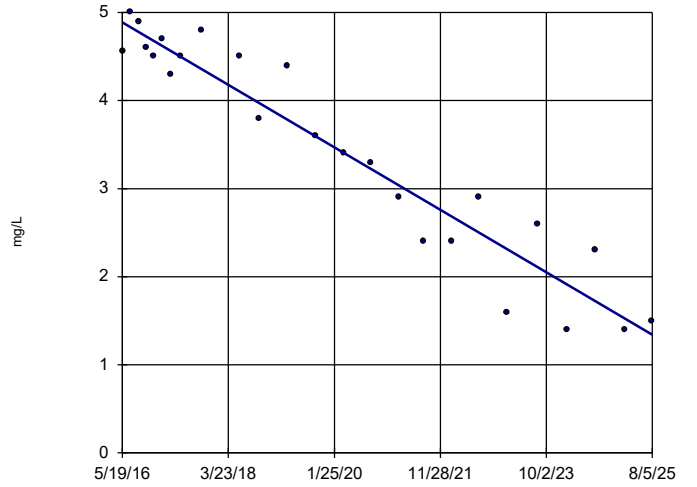
Constituent: Chloride Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-4 (bg)



n = 25

Slope = -0.3846 units per year.

Mann-Kendall statistic = -244 critical = -111

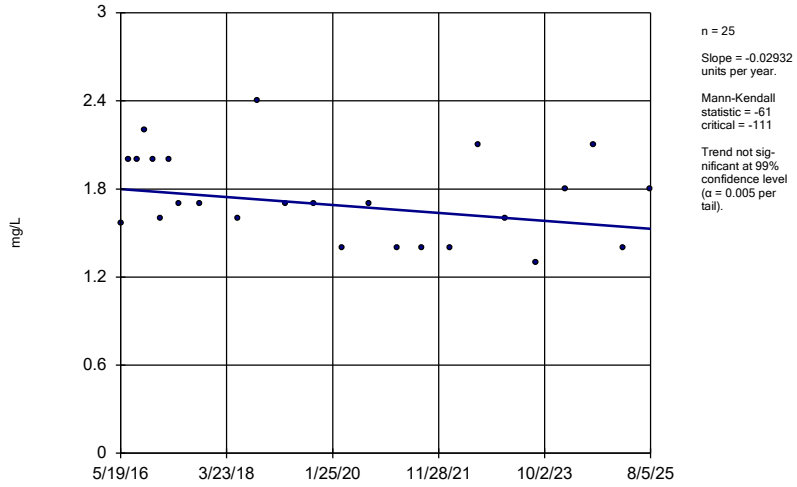
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWA-5 (bg)



n = 25

Slope = -0.02932 units per year.

Mann-Kendall statistic = -61
critical = -111

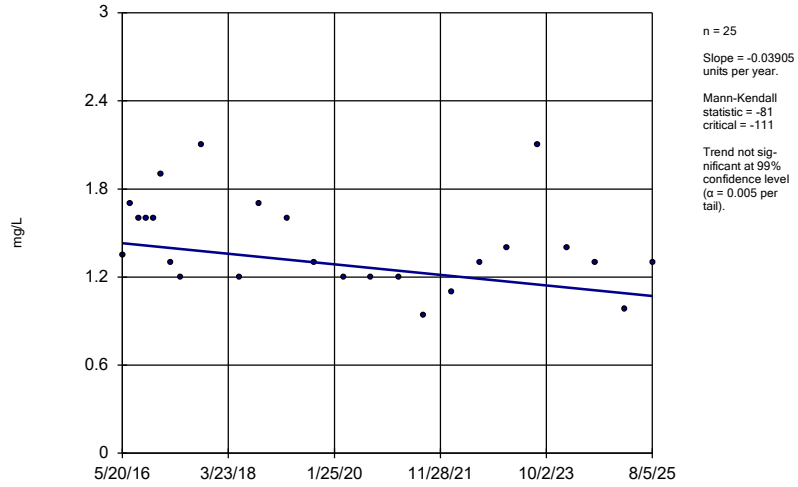
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-6 (bg)



n = 25

Slope = -0.03905 units per year.

Mann-Kendall statistic = -81
critical = -111

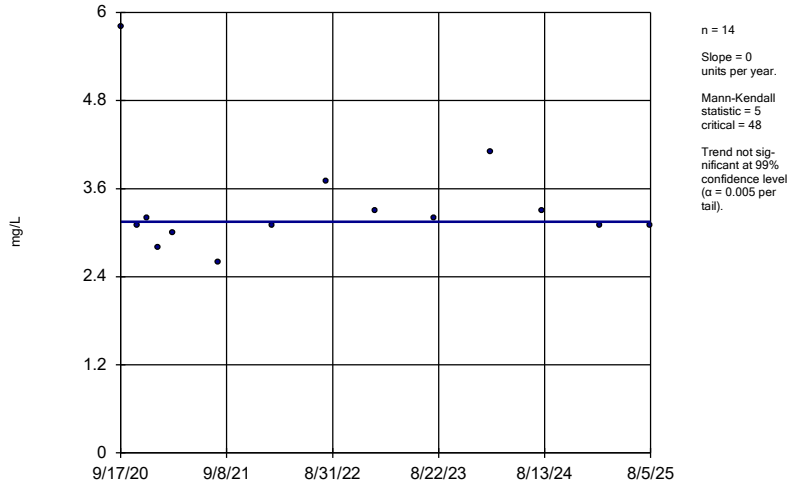
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-42D (bg)



n = 14

Slope = 0 units per year.

Mann-Kendall statistic = 5
critical = 48

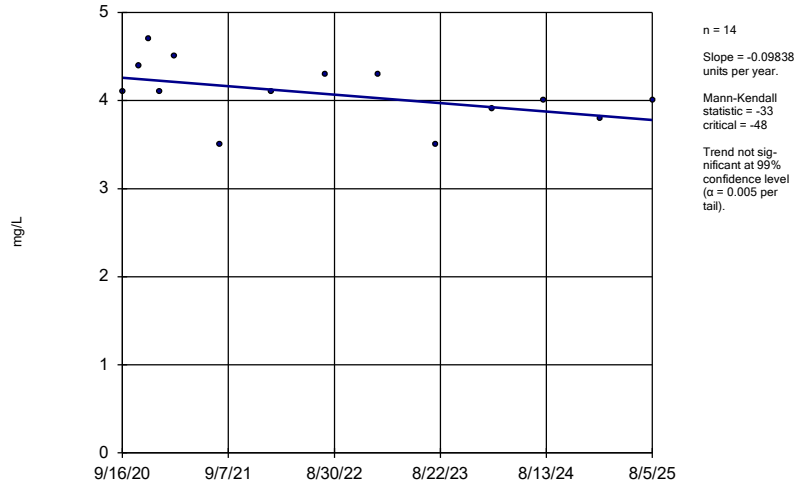
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-43D (bg)



n = 14

Slope = -0.09838 units per year.

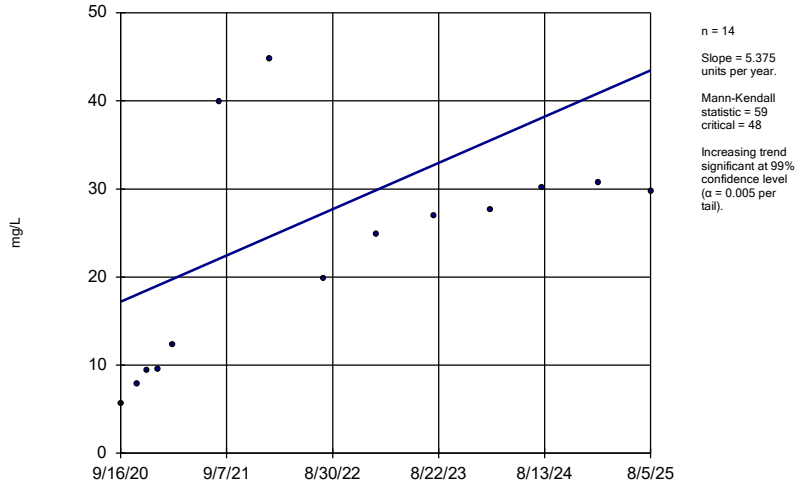
Mann-Kendall statistic = -33
critical = -48

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWA-44D (bg)



n = 14

Slope = 5.375 units per year.

Mann-Kendall statistic = 59 critical = 48

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

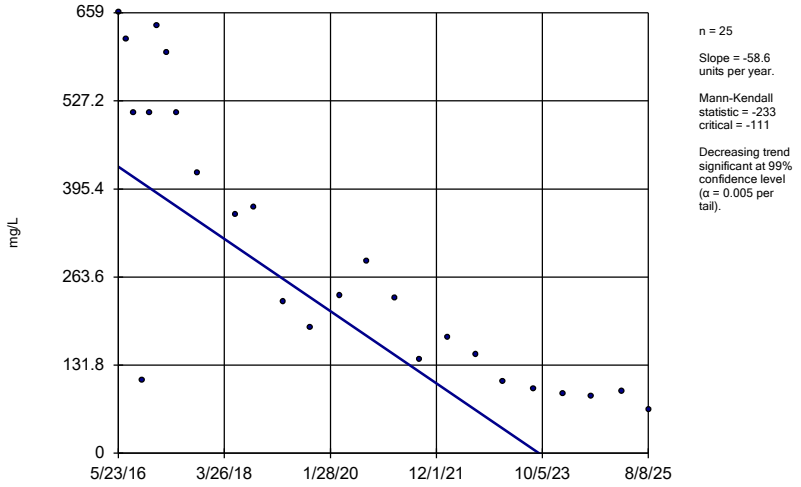
Constituent: Chloride Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-14



n = 25

Slope = -58.6 units per year.

Mann-Kendall statistic = -233 critical = -111

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

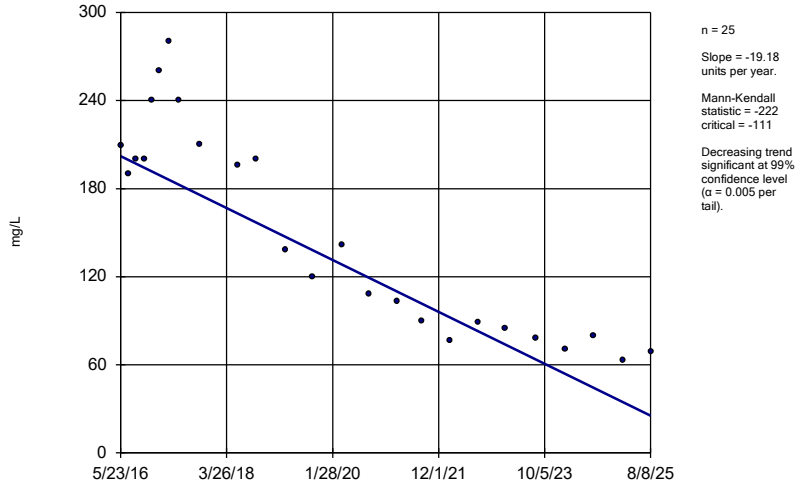
Constituent: Chloride Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-15



n = 25

Slope = -19.18 units per year.

Mann-Kendall statistic = -222 critical = -111

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

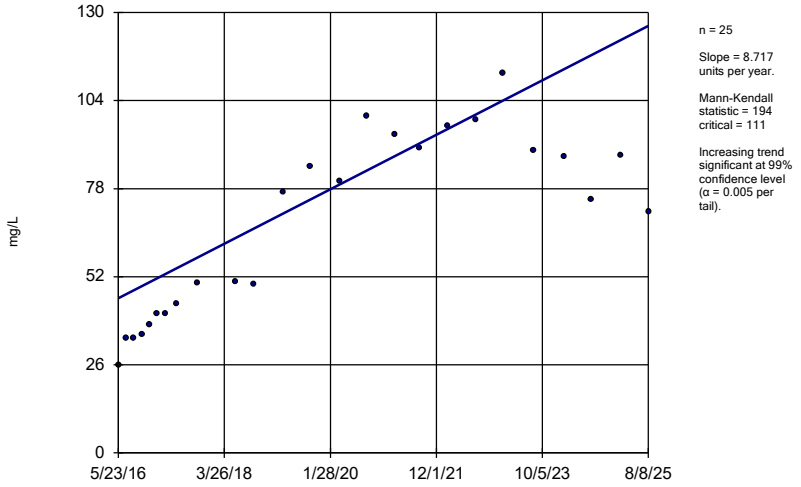
Constituent: Chloride Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-16



n = 25

Slope = 8.717 units per year.

Mann-Kendall statistic = 194 critical = 111

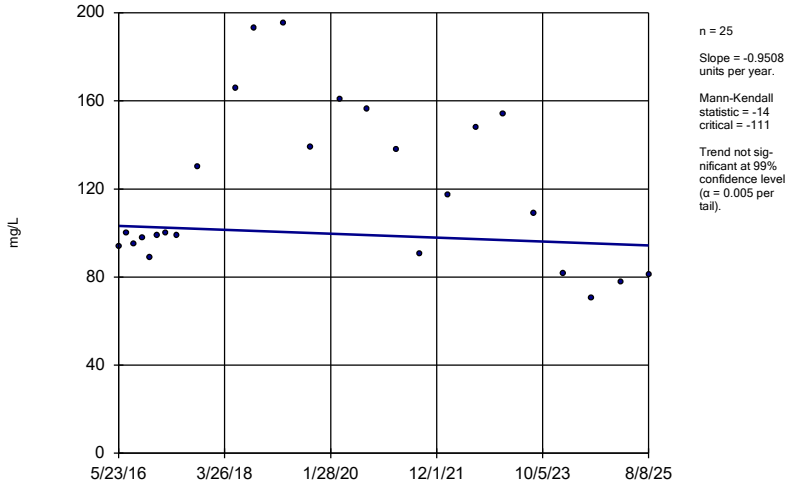
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWC-17



n = 25

Slope = -0.9508 units per year.

Mann-Kendall statistic = -14 critical = -111

Trend not significant at 99% confidence level (α = 0.005 per tail).

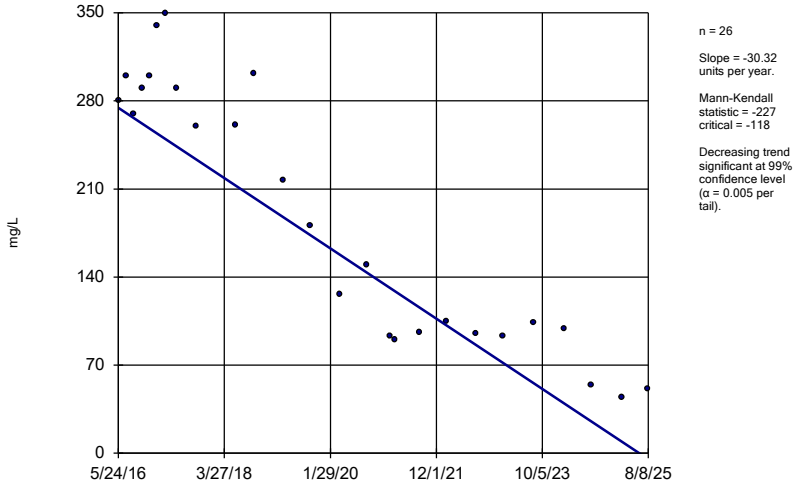
Constituent: Chloride Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-18



n = 26

Slope = -30.32 units per year.

Mann-Kendall statistic = -227 critical = -118

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

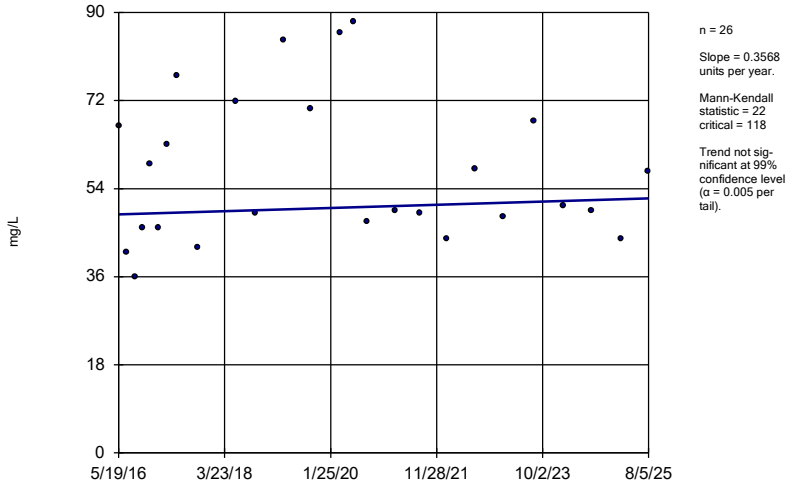
Constituent: Chloride Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-1 (bg)



n = 26

Slope = 0.3568 units per year.

Mann-Kendall statistic = 22 critical = 118

Trend not significant at 99% confidence level (α = 0.005 per tail).

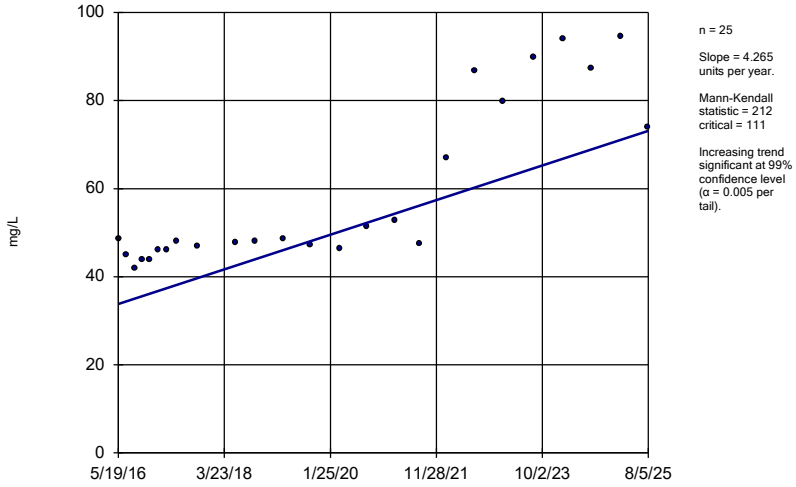
Constituent: Sulfate Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-2 (bg)



n = 25

Slope = 4.265 units per year.

Mann-Kendall statistic = 212 critical = 111

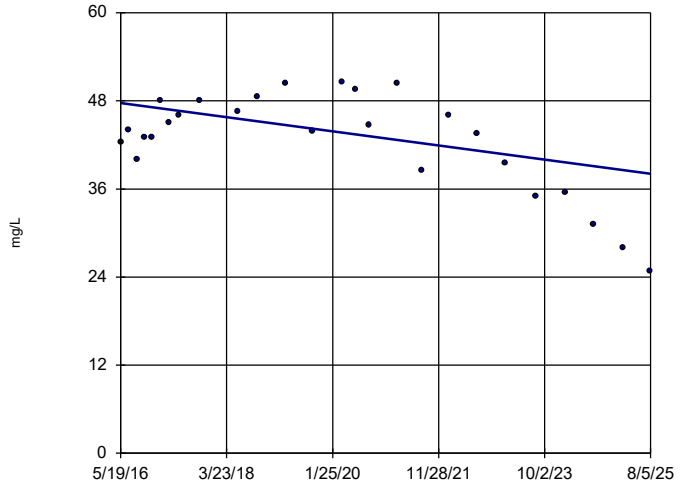
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWA-3 (bg)



n = 26

Slope = -1.043 units per year.

Mann-Kendall statistic = -79 critical = -118

Trend not significant at 99% confidence level (α = 0.005 per tail).

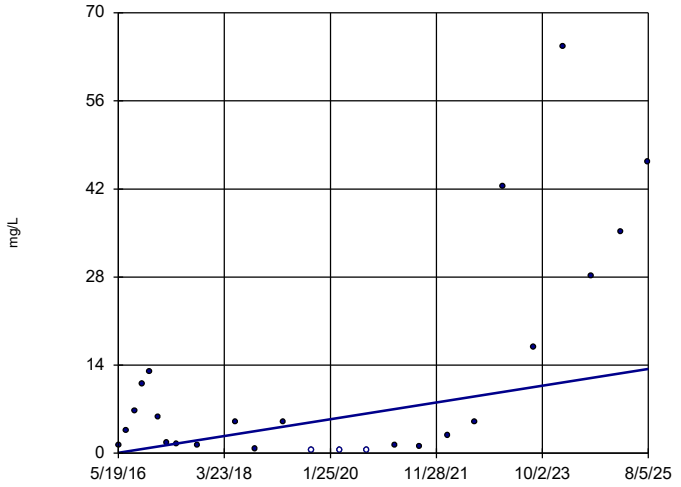
Constituent: Sulfate Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-4 (bg)



n = 25

Slope = 1.446 units per year.

Mann-Kendall statistic = 64 critical = 111

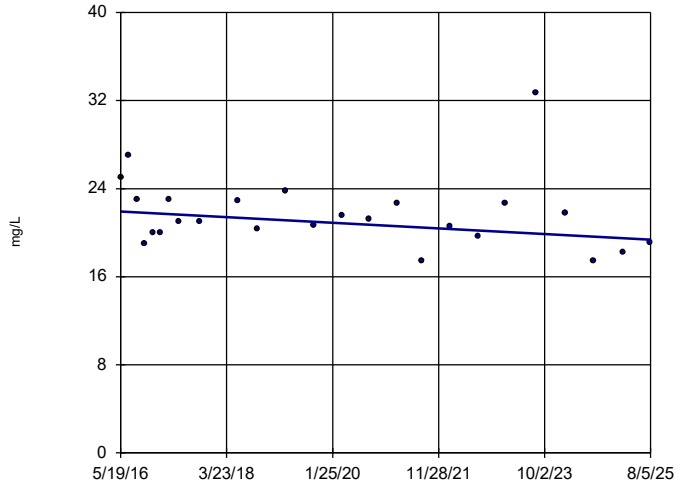
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWA-5 (bg)



n = 25

Slope = -0.2801 units per year.

Mann-Kendall statistic = -69 critical = -111

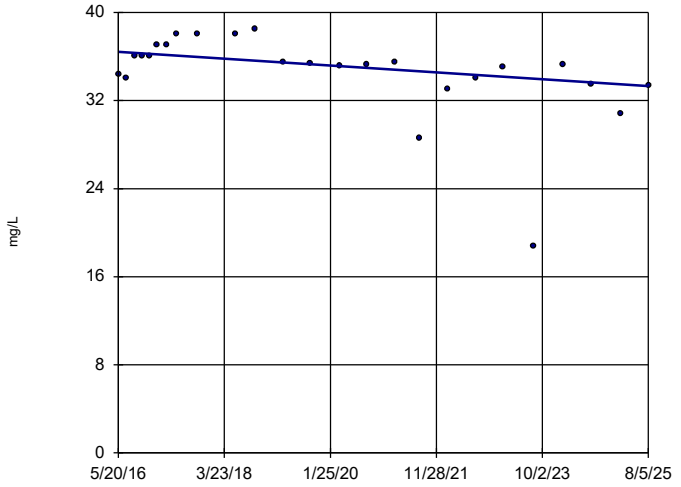
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWA-6 (bg)



n = 25

Slope = -0.3385 units per year.

Mann-Kendall statistic = -118 critical = -111

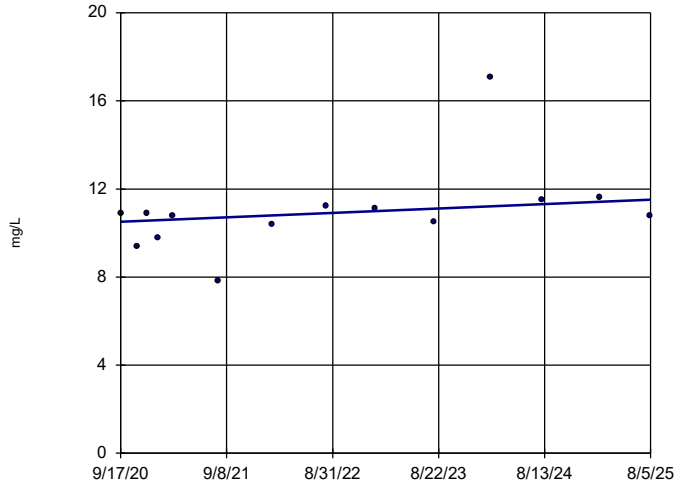
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWA-42D (bg)



n = 14

Slope = 0.2032 units per year.

Mann-Kendall statistic = 33
critical = 48

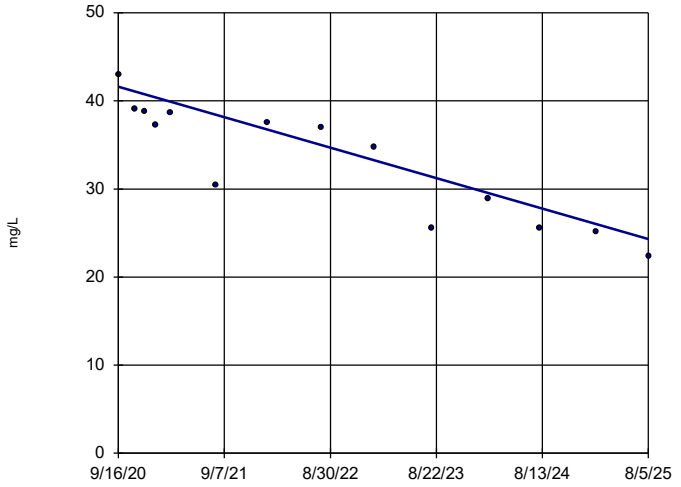
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-43D (bg)



n = 14

Slope = -3.534 units per year.

Mann-Kendall statistic = -79
critical = -48

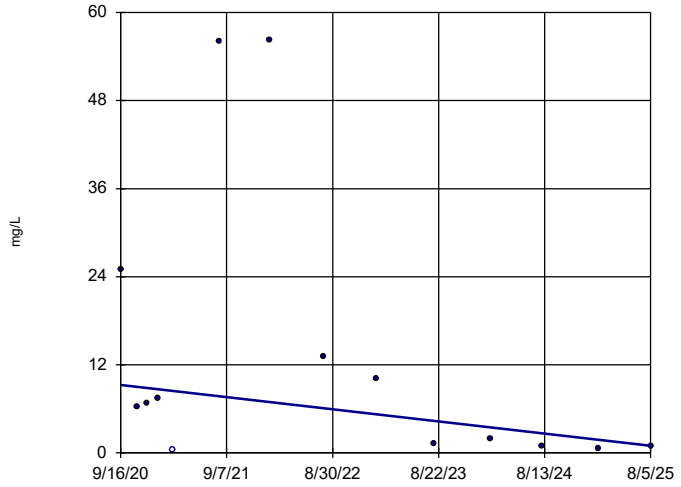
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-44D (bg)



n = 14

Slope = -1.694 units per year.

Mann-Kendall statistic = -33
critical = -48

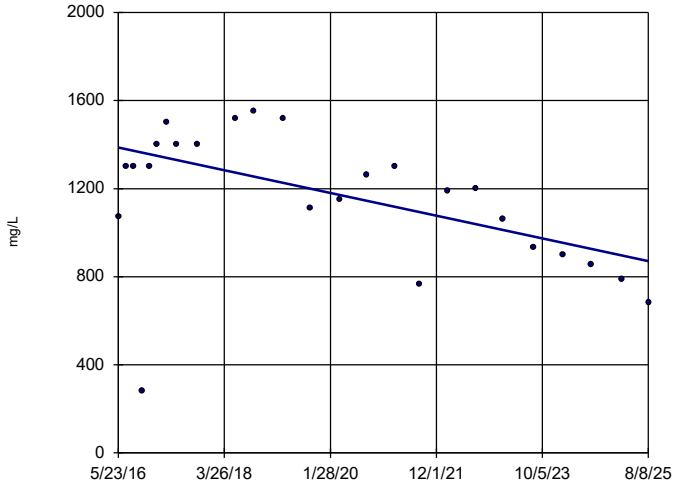
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-14



n = 25

Slope = -55.98 units per year.

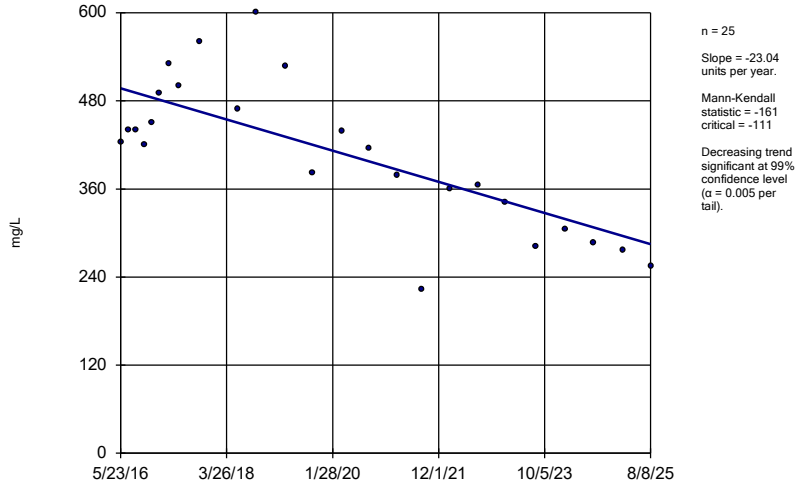
Mann-Kendall statistic = -110
critical = -111

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWC-15



n = 25

Slope = -23.04 units per year.

Mann-Kendall statistic = -161 critical = -111

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

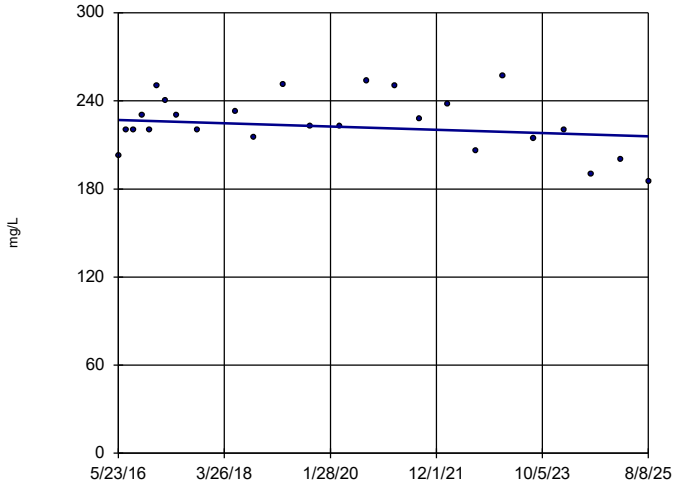
Constituent: Sulfate Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-16



n = 25

Slope = -1.195 units per year.

Mann-Kendall statistic = -37 critical = -111

Trend not significant at 99% confidence level (α = 0.005 per tail).

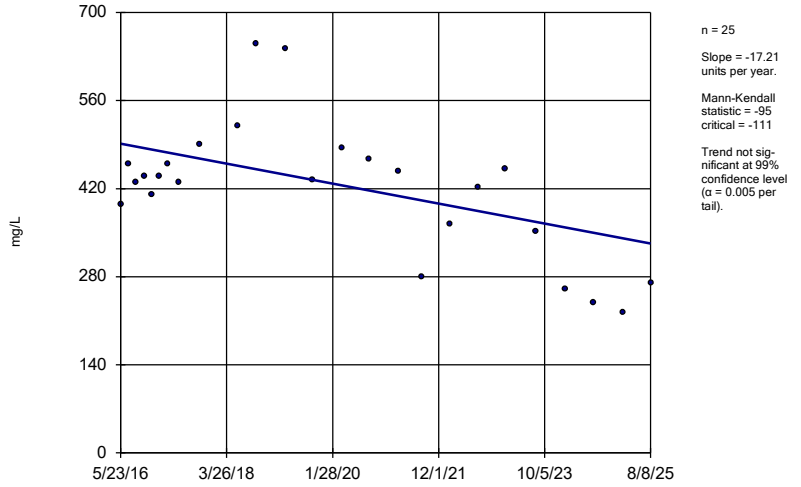
Constituent: Sulfate Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-17



n = 25

Slope = -17.21 units per year.

Mann-Kendall statistic = -95 critical = -111

Trend not significant at 99% confidence level (α = 0.005 per tail).

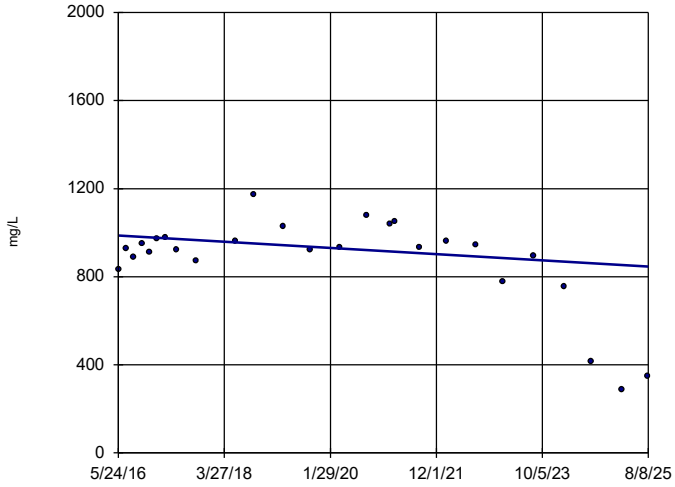
Constituent: Sulfate Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-18



n = 26

Slope = -15.21 units per year.

Mann-Kendall statistic = -61 critical = -118

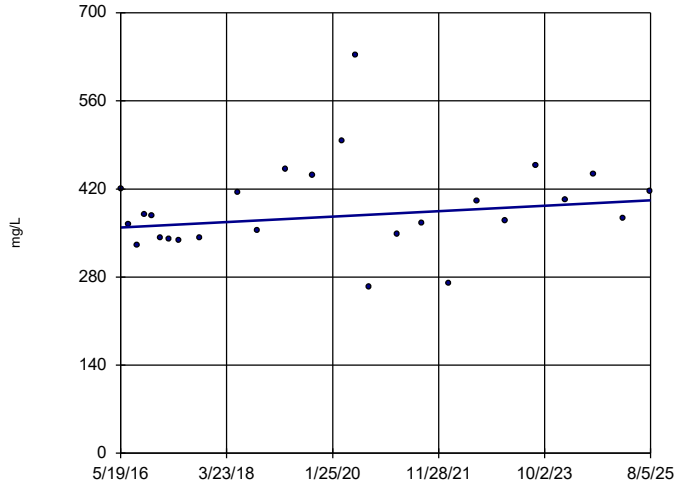
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWA-1 (bg)



n = 26

Slope = 4.696 units per year.

Mann-Kendall statistic = 67 critical = 118

Trend not significant at 99% confidence level (α = 0.005 per tail).

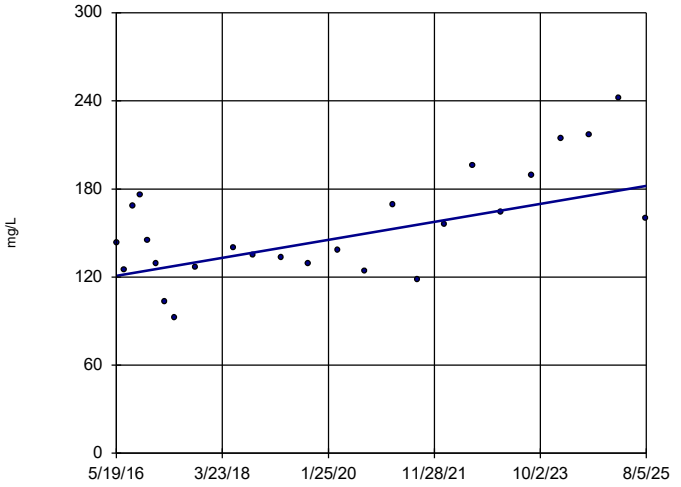
Constituent: TDS Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-2 (bg)



n = 25

Slope = 6.642 units per year.

Mann-Kendall statistic = 107 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

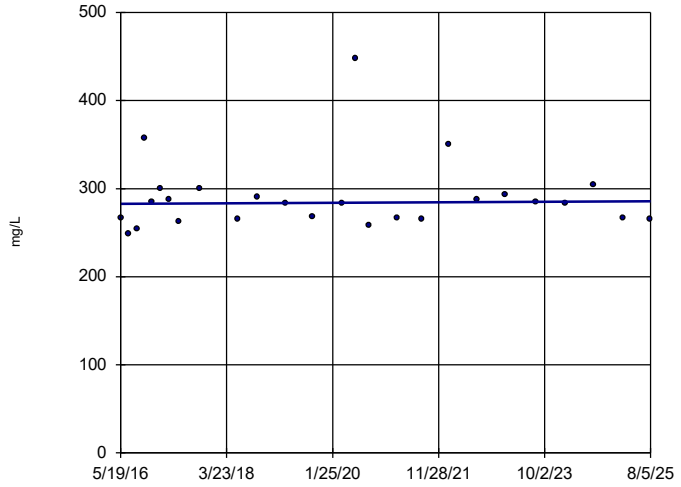
Constituent: TDS Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-3 (bg)



n = 26

Slope = 0.2987 units per year.

Mann-Kendall statistic = 18 critical = 118

Trend not significant at 99% confidence level (α = 0.005 per tail).

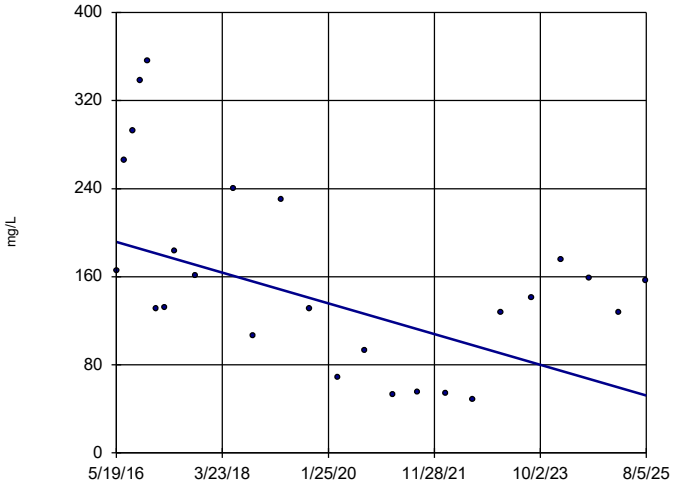
Constituent: TDS Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-4 (bg)



n = 25

Slope = -15.15 units per year.

Mann-Kendall statistic = -108 critical = -111

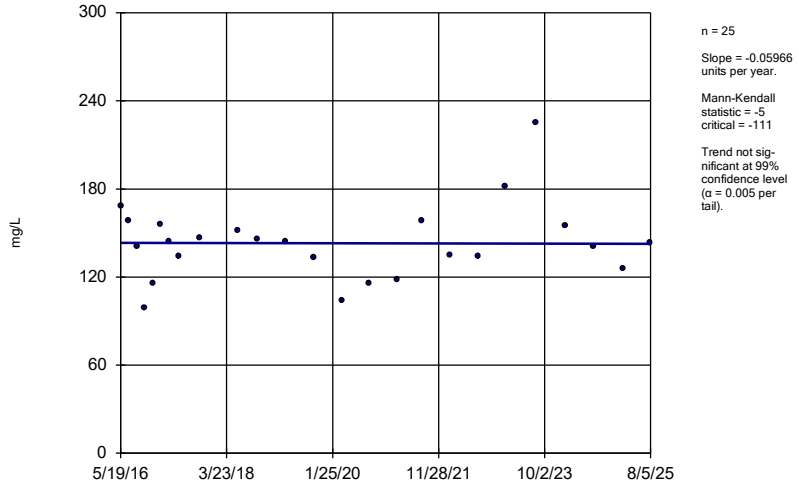
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWA-5 (bg)



n = 25

Slope = -0.05966 units per year.

Mann-Kendall statistic = -5 critical = -111

Trend not significant at 99% confidence level (α = 0.005 per tail).

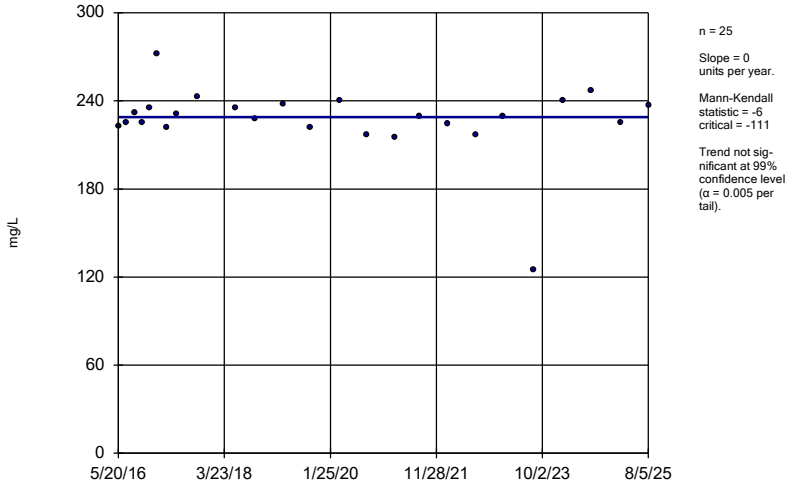
Constituent: TDS Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-6 (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -6 critical = -111

Trend not significant at 99% confidence level (α = 0.005 per tail).

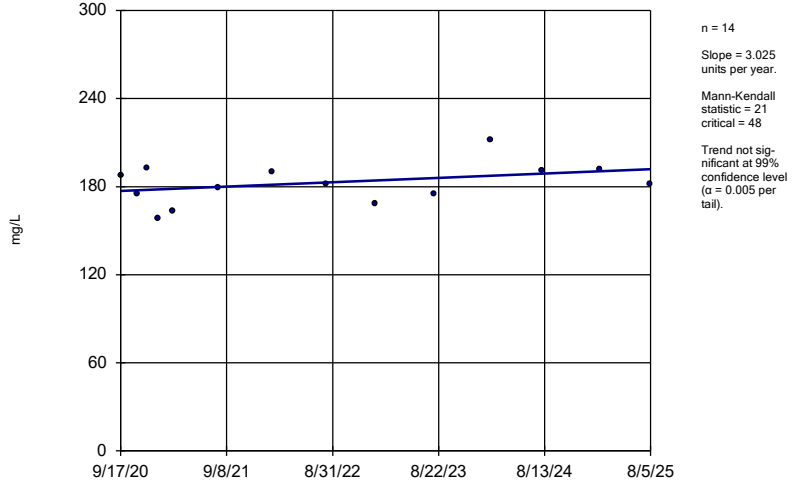
Constituent: TDS Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-42D (bg)



n = 14

Slope = 3.025 units per year.

Mann-Kendall statistic = 21 critical = 48

Trend not significant at 99% confidence level (α = 0.005 per tail).

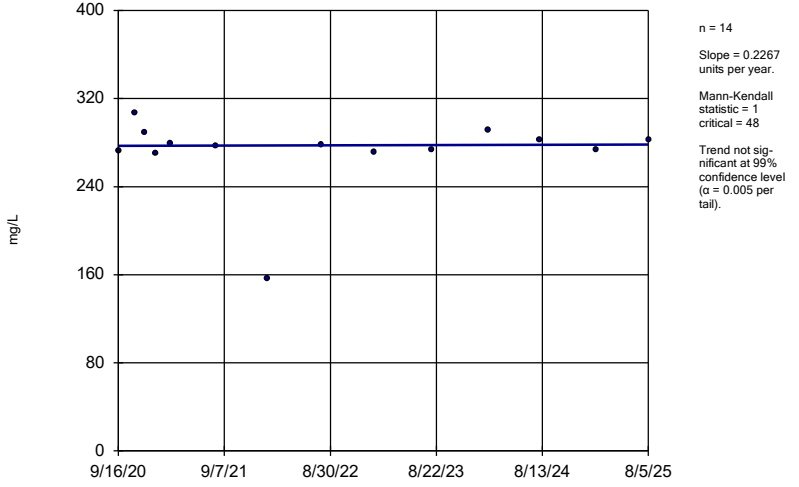
Constituent: TDS Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-43D (bg)



n = 14

Slope = 0.2267 units per year.

Mann-Kendall statistic = 1 critical = 48

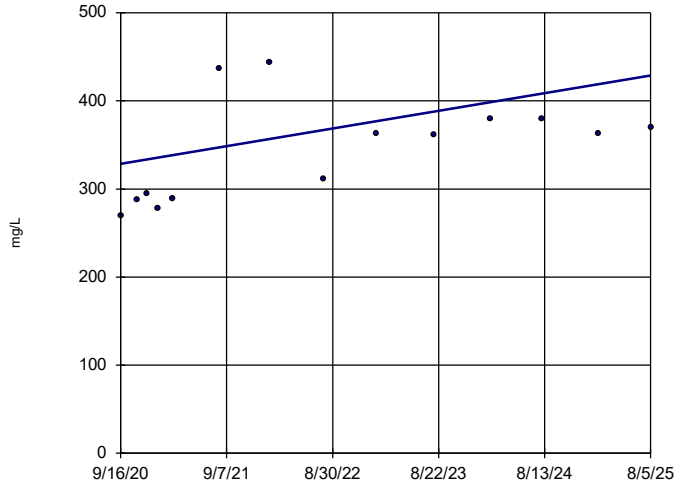
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sen's Slope Estimator

HGWA-44D (bg)



n = 14

Slope = 20.52 units per year.

Mann-Kendall statistic = 46 critical = 48

Trend not significant at 99% confidence level (α = 0.005 per tail).

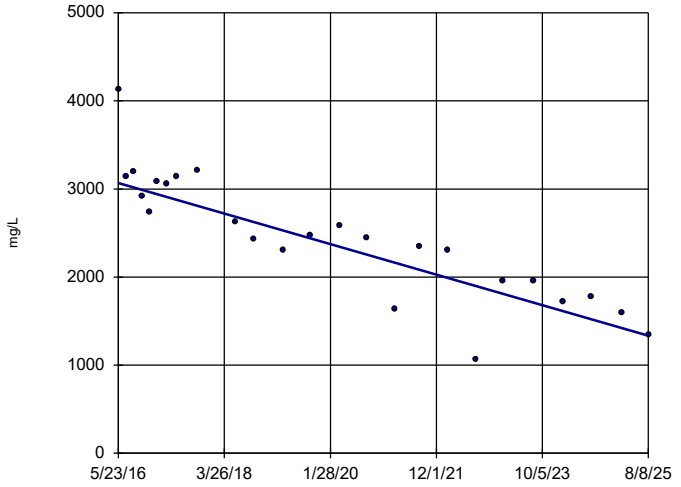
Constituent: TDS Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-14



n = 25

Slope = -188.1 units per year.

Mann-Kendall statistic = -222 critical = -111

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

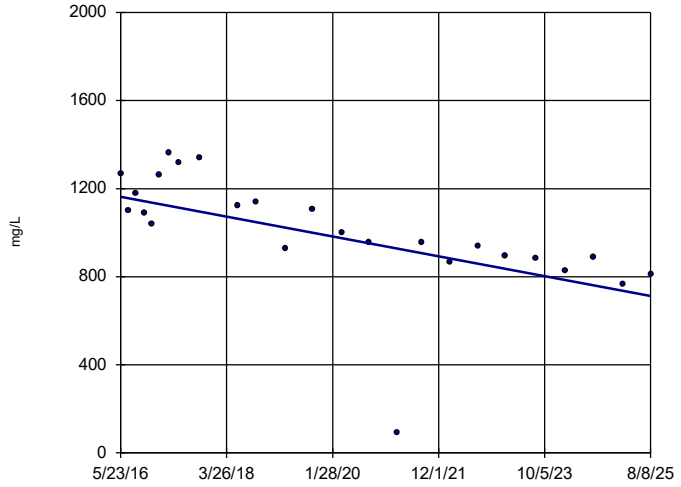
Constituent: TDS Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-15



n = 25

Slope = -49 units per year.

Mann-Kendall statistic = -188 critical = -111

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

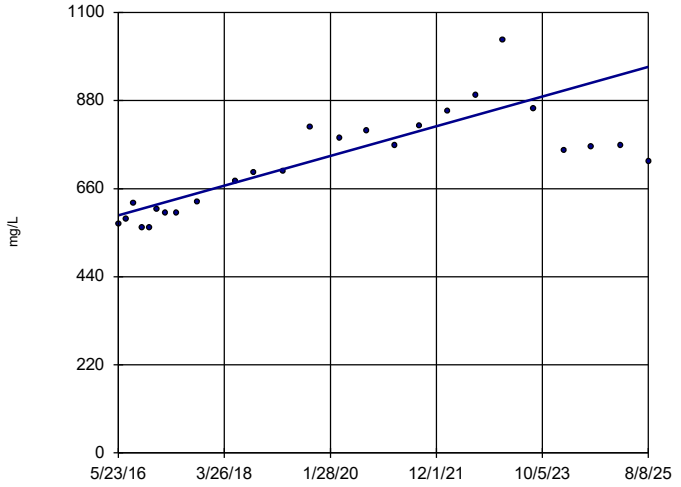
Constituent: TDS Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-16



n = 25

Slope = 40.18 units per year.

Mann-Kendall statistic = 183 critical = 111

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

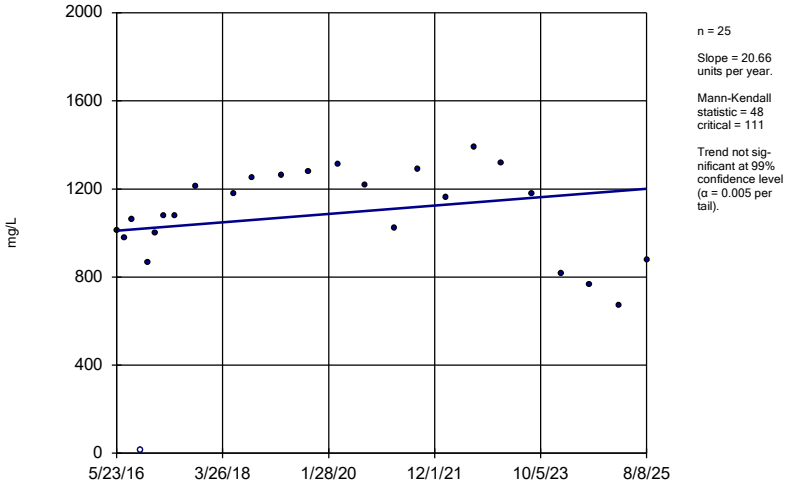
Constituent: TDS Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWC-17



n = 25

Slope = 20.66 units per year.

Mann-Kendall statistic = 48
critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

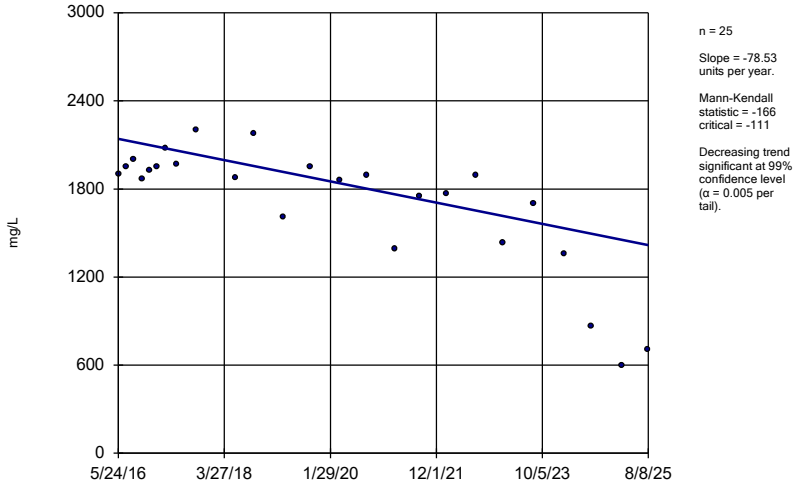
Constituent: TDS Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-18



n = 25

Slope = -78.53 units per year.

Mann-Kendall statistic = -166
critical = -111

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 10/15/2025 1:41 PM View: Appendix III Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

FIGURE F.

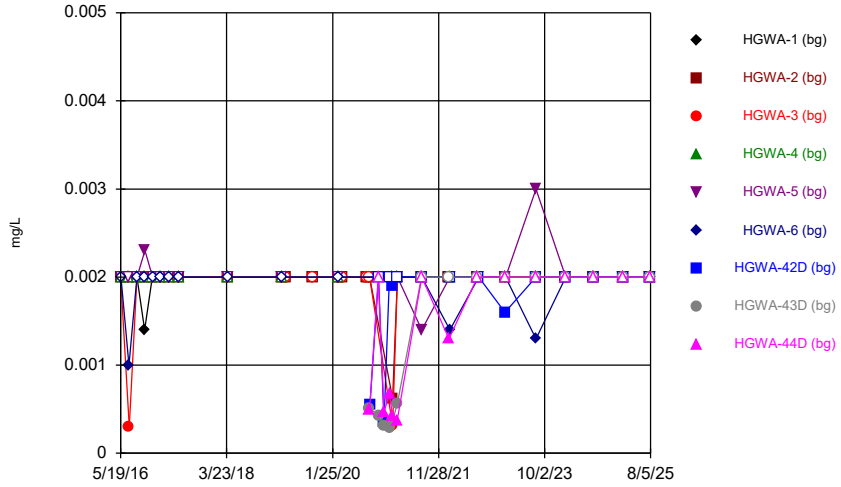
Upper Tolerance Limits - Summary Table

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 10/16/2025, 4:03 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.003	n/a	n/a	n/a	n/a	192	86.46	n/a	n/a	NaN	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.0036	n/a	n/a	n/a	n/a	216	83.8	n/a	n/a	NaN	NP Inter(NDs)
Barium (mg/L)	n/a	0.46	n/a	n/a	n/a	n/a	216	0	n/a	n/a	NaN	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0004	n/a	n/a	n/a	n/a	204	82.84	n/a	n/a	NaN	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	216	91.2	n/a	n/a	NaN	NP Inter(NDs)
Chromium (mg/L)	n/a	0.019	n/a	n/a	n/a	n/a	204	87.75	n/a	n/a	NaN	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.038	n/a	n/a	n/a	n/a	216	69.91	n/a	n/a	NaN	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	1.553	n/a	n/a	n/a	n/a	216	0	None	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	1.5	n/a	n/a	n/a	n/a	224	27.68	n/a	n/a	NaN	NP Inter(normality)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	204	77.94	n/a	n/a	NaN	NP Inter(NDs)
Lithium (mg/L)	n/a	0.064	n/a	n/a	n/a	n/a	211	17.06	n/a	n/a	NaN	NP Inter(normality)
Mercury (mg/L)	n/a	0.0002	n/a	n/a	n/a	n/a	167	95.21	n/a	n/a	0.0001905	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.01	n/a	n/a	n/a	n/a	210	84.76	n/a	n/a	NaN	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	216	96.76	n/a	n/a	NaN	NP Inter(NDs)
Thallium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	216	99.07	n/a	n/a	NaN	NP Inter(NDs)

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

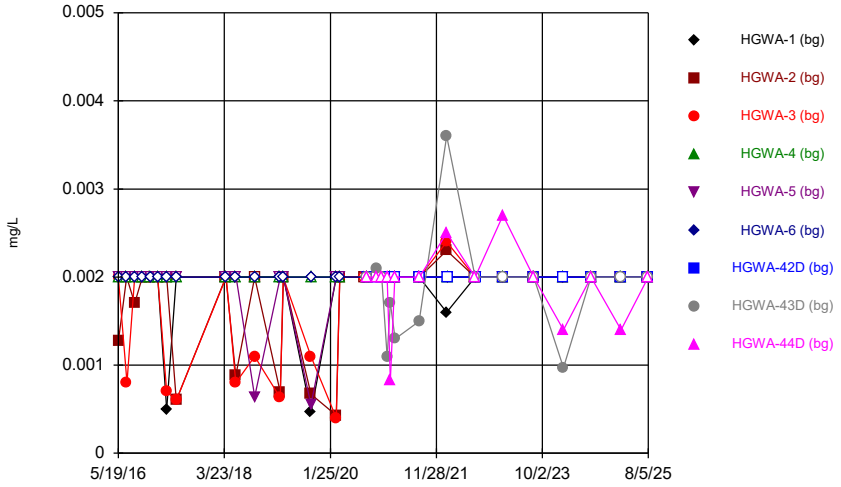
Time Series



Constituent: Antimony Analysis Run 10/16/2025 4:03 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

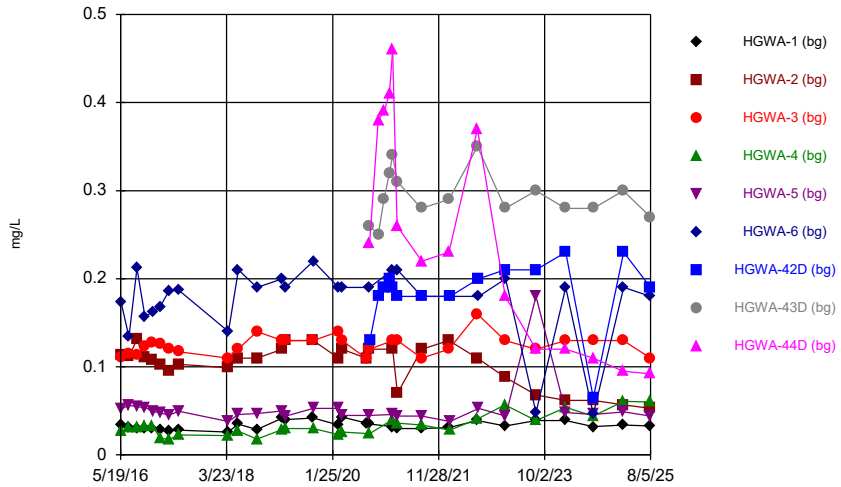
Time Series



Constituent: Arsenic Analysis Run 10/16/2025 4:03 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

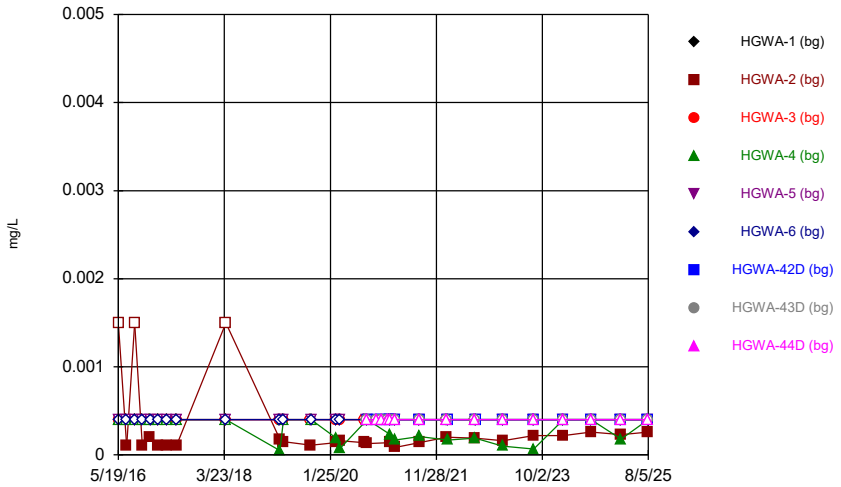
Time Series



Constituent: Barium Analysis Run 10/16/2025 4:03 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

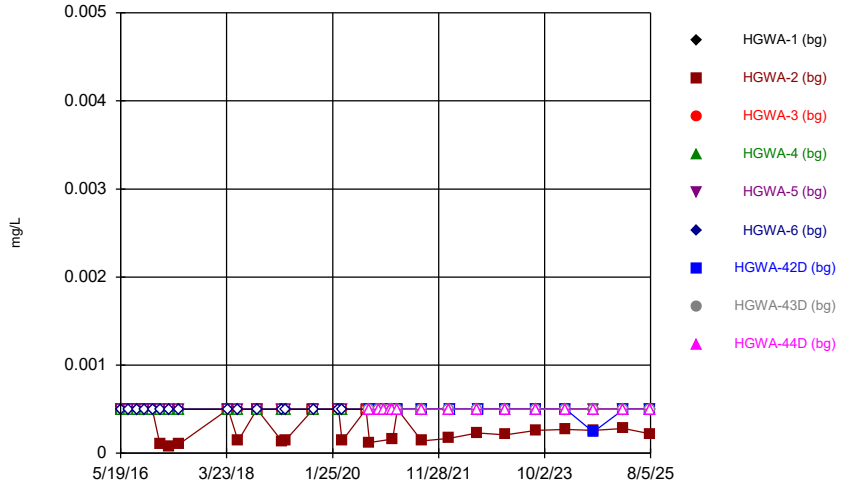
Time Series



Constituent: Beryllium Analysis Run 10/16/2025 4:03 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

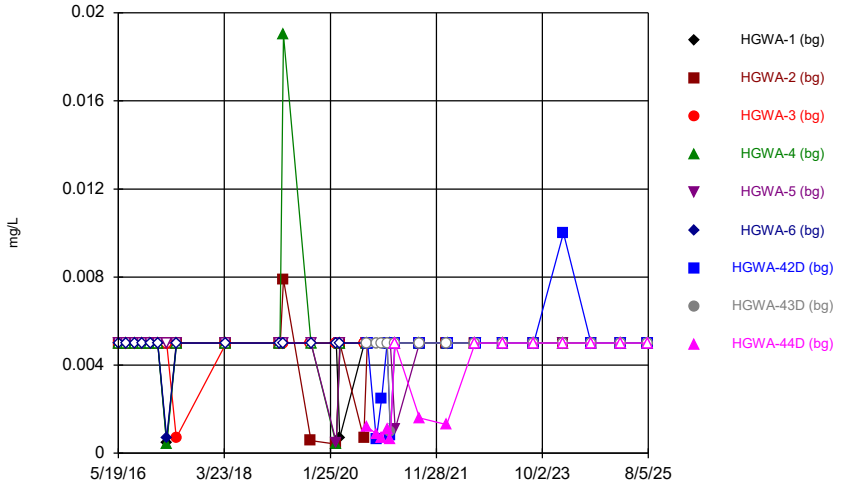
Time Series



Constituent: Cadmium Analysis Run 10/16/2025 4:03 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

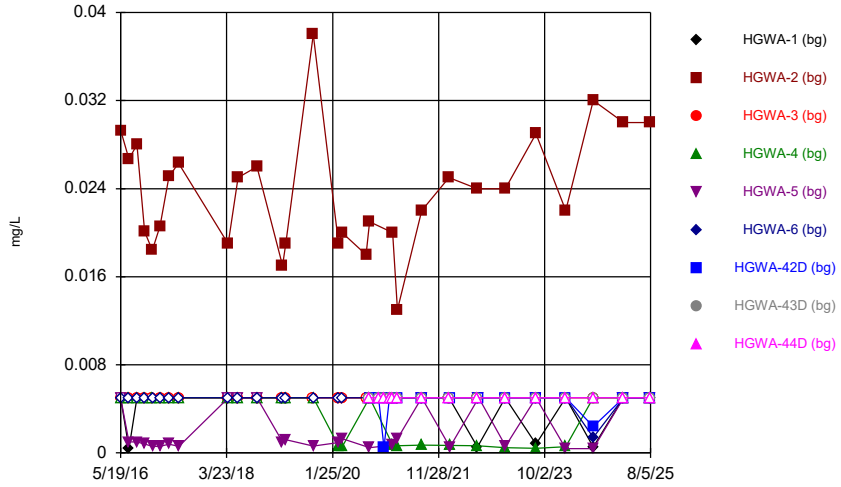
Time Series



Constituent: Chromium Analysis Run 10/16/2025 4:03 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

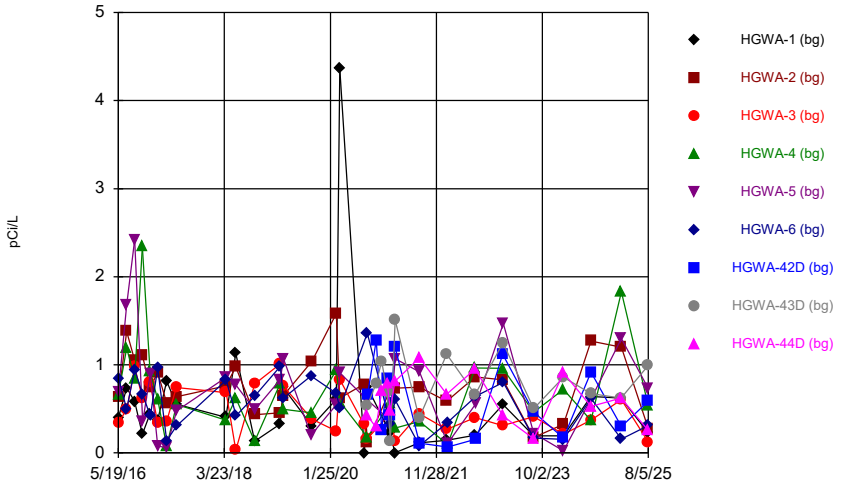
Time Series



Constituent: Cobalt Analysis Run 10/16/2025 4:03 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

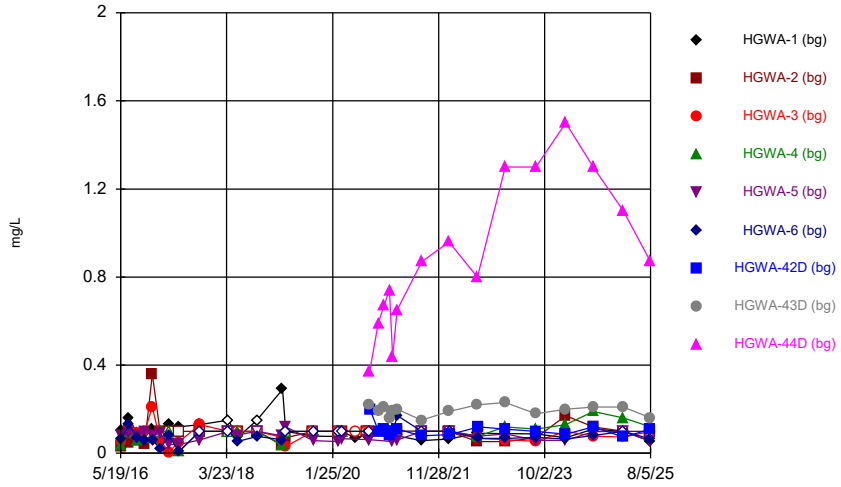
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/16/2025 4:03 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

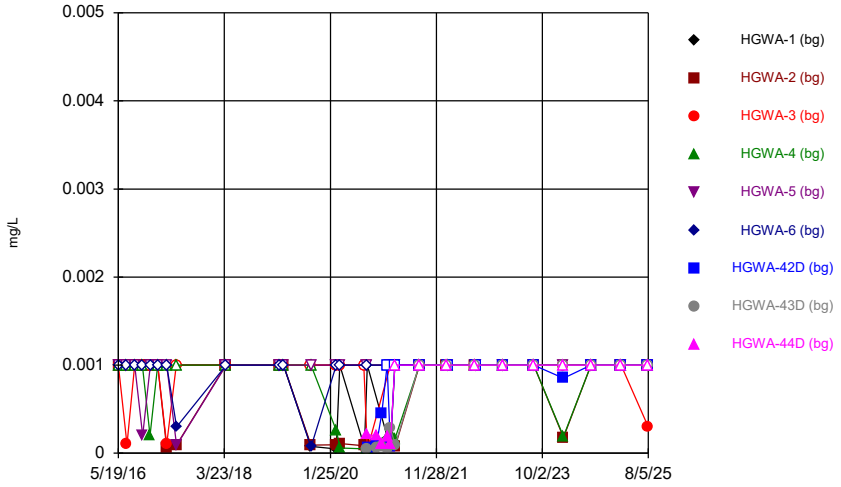
Time Series



Constituent: Fluoride Analysis Run 10/16/2025 4:03 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

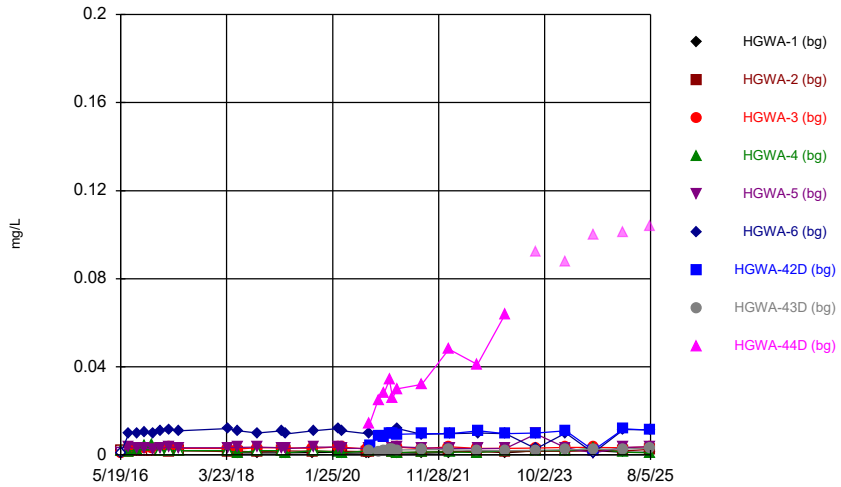
Time Series



Constituent: Lead Analysis Run 10/16/2025 4:03 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

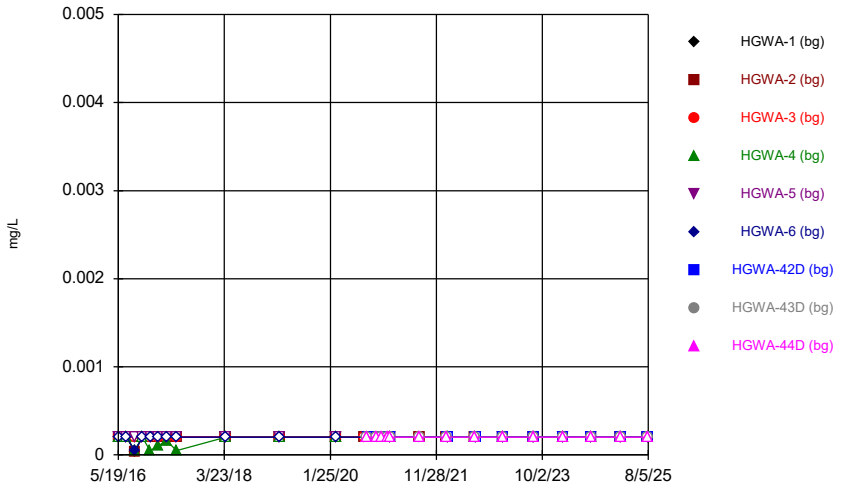
Time Series



Constituent: Lithium Analysis Run 10/16/2025 4:03 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

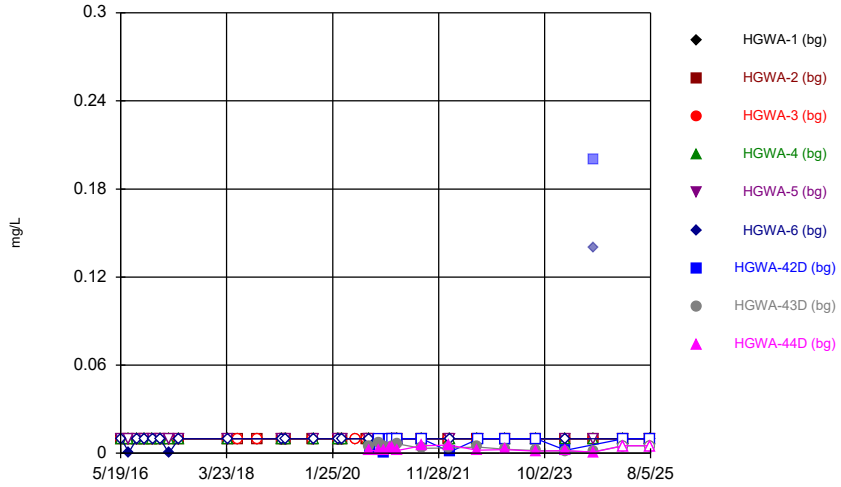
Time Series



Constituent: Mercury Analysis Run 10/16/2025 4:03 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

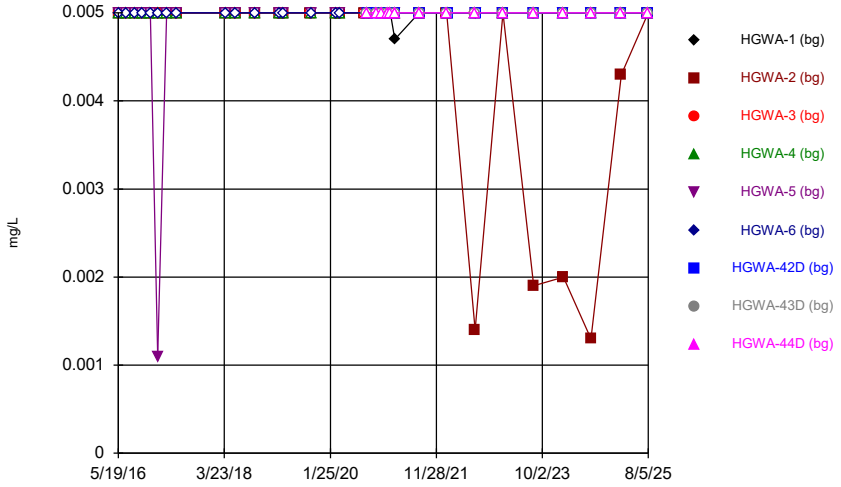
Time Series



Constituent: Molybdenum Analysis Run 10/16/2025 4:03 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

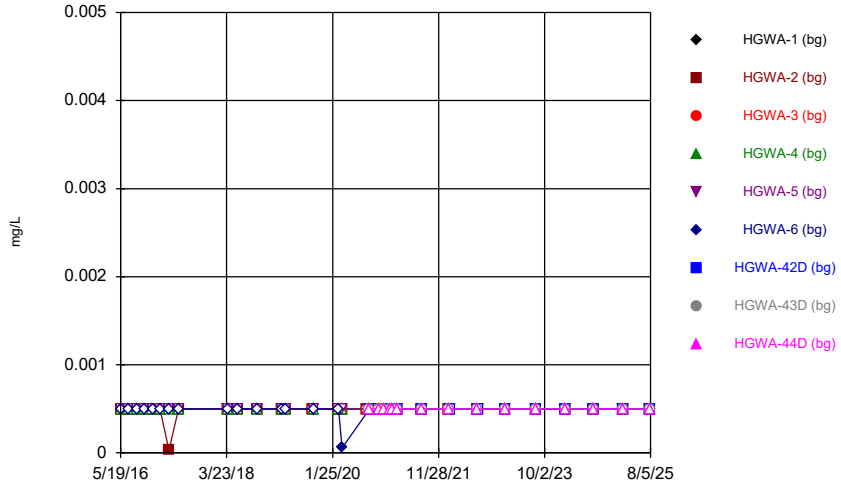
Time Series



Constituent: Selenium Analysis Run 10/16/2025 4:03 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

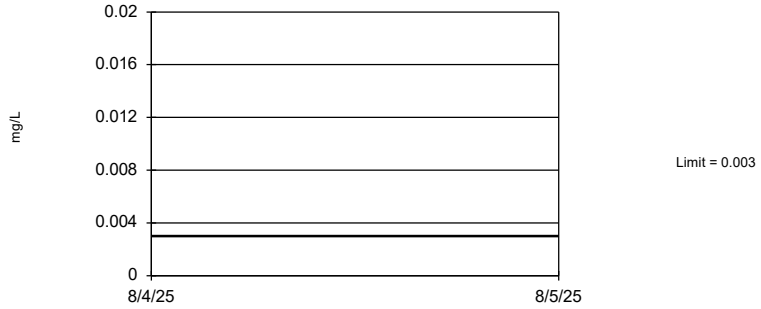
Time Series



Constituent: Thallium Analysis Run 10/16/2025 4:03 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Tolerance Limit

Interwell Non-parametric

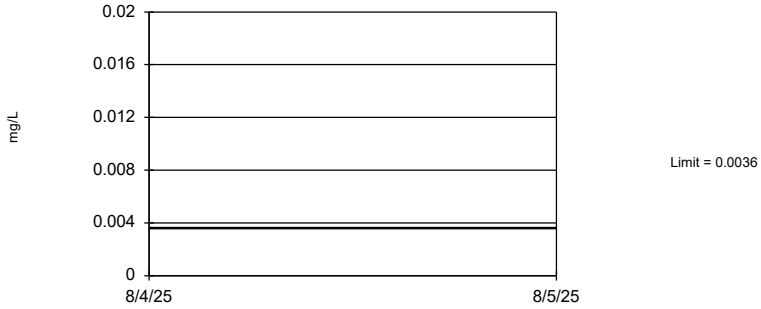


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 192 background values. 86.46% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Antimony Analysis Run 10/16/2025 4:01 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Tolerance Limit

Interwell Non-parametric

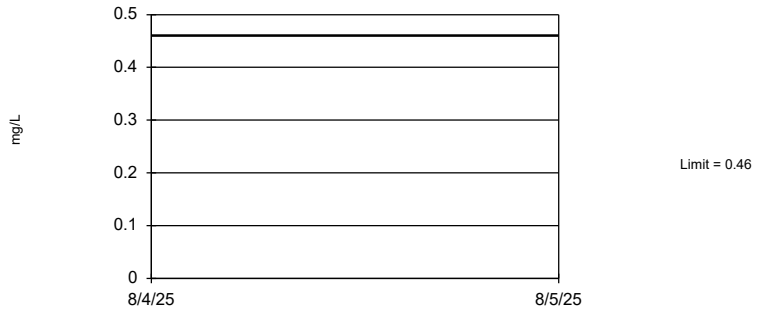


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 216 background values. 83.8% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Arsenic Analysis Run 10/16/2025 4:01 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Tolerance Limit

Interwell Non-parametric

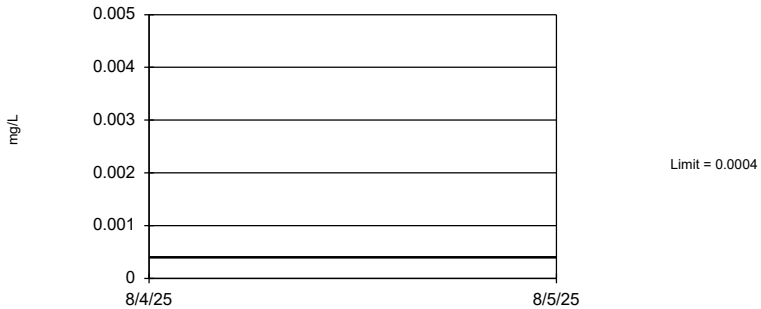


Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 216 background values. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Barium Analysis Run 10/16/2025 4:01 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Tolerance Limit

Interwell Non-parametric

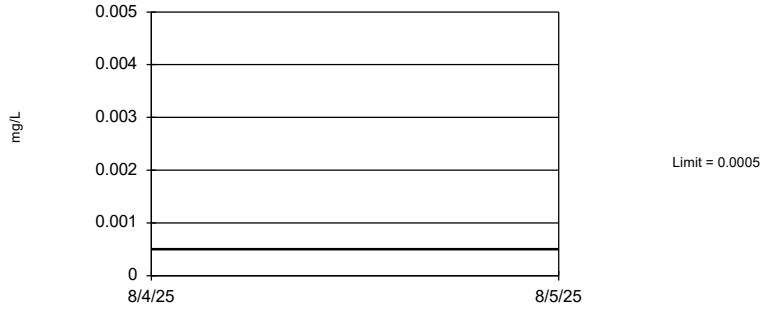


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 204 background values. 82.84% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Beryllium Analysis Run 10/16/2025 4:02 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Tolerance Limit

Interwell Non-parametric



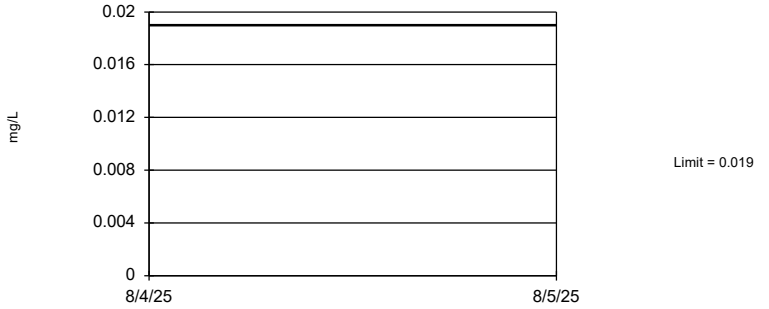
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 216 background values. 91.2% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Cadmium Analysis Run 10/16/2025 4:02 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 204 background values. 87.75% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Chromium Analysis Run 10/16/2025 4:02 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 216 background values. 69.91% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Cobalt Analysis Run 10/16/2025 4:02 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Parametric

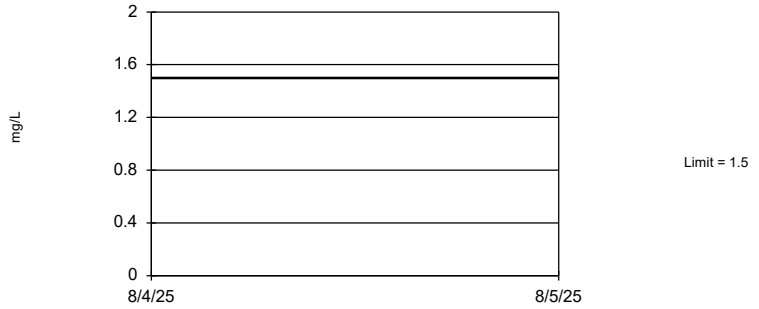


95% coverage. Background Data Summary (based on square root transformation): Mean=0.7462, Std. Dev.=0.2734, n=216. Normality test: Chi Squared @alpha = 0.01, calculated = 8.074, critical = 14.07. Report alpha = 0.05.

Constituent: Combined Radium 226 + 228 Analysis Run 10/16/2025 4:02 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Tolerance Limit

Interwell Non-parametric



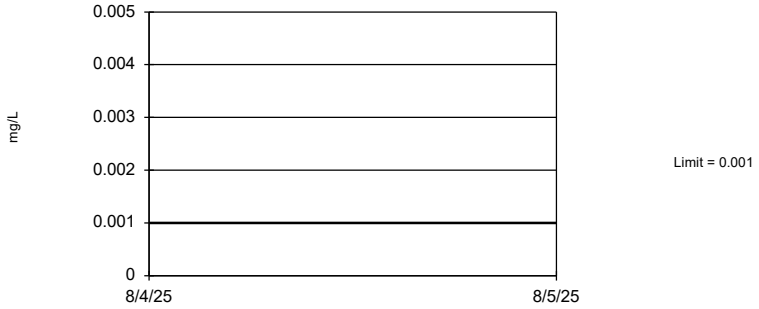
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 224 background values. 27.68% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Fluoride Analysis Run 10/16/2025 4:02 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



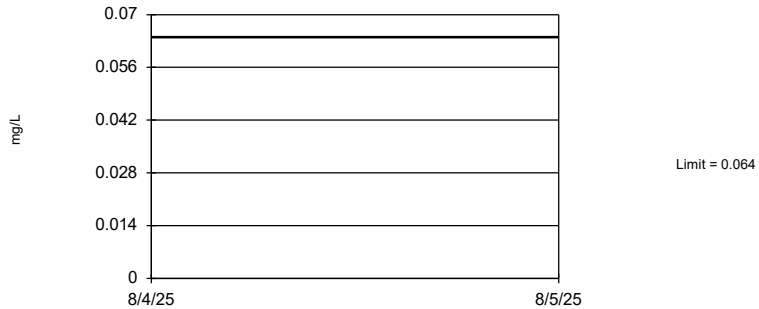
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 204 background values. 77.94% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Lead Analysis Run 10/16/2025 4:02 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



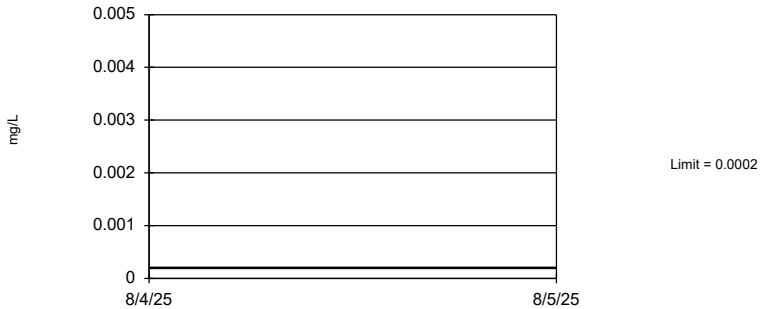
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 211 background values. 17.06% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Lithium Analysis Run 10/16/2025 4:02 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 167 background values. 95.21% NDs. 97.46% coverage at alpha=0.01; 98.24% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0001905.

Constituent: Mercury Analysis Run 10/16/2025 4:02 PM View: UTL
Plant Hammond Client: Southern Company Data: Hammond AP2

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 210 background values. 84.76% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Molybdenum Analysis Run 10/16/2025 4:02 PM View: UTL

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 216 background values. 96.76% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

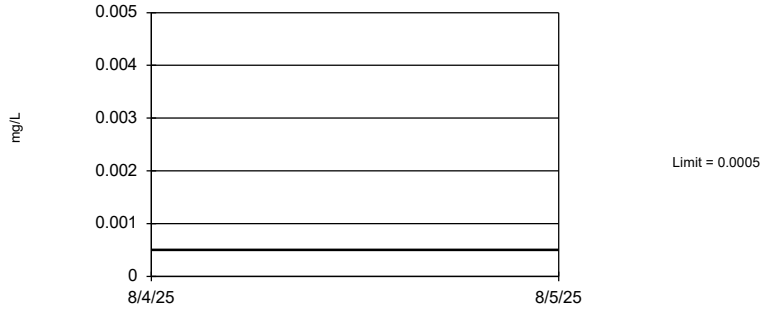
Constituent: Selenium Analysis Run 10/16/2025 4:02 PM View: UTL

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 216 background values. 99.07% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Thallium Analysis Run 10/16/2025 4:02 PM View: UTL

Plant Hammond Client: Southern Company Data: Hammond AP2

FIGURE G.

PLANT HAMMOND AP-2 GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.003	0.006
Arsenic, Total (mg/L)	0.01		0.0036	0.01
Barium, Total (mg/L)	2		0.46	2
Beryllium, Total (mg/L)	0.004		0.0004	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.019	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.038	0.038
Combined Radium, Total (pCi/L)	5		1.55	5
Fluoride, Total (mg/L)	4		1.5	4
Lead, Total (mg/L)	n/a	0.015	0.001	0.015
Lithium, Total (mg/L)	n/a	0.04	0.064	0.064
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.01	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.0005	0.002

**Gray cell indicates background is higher than MCL or CCR-Rule*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

**GWPS = Groundwater Protection Statard*

FIGURE H.

Confidence Interval Summary Table - Significant Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 10/20/2025, 6:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**HGWC-18**	**0.1752**	**0.14**	**0.038**	**Yes**	**29**	**0.1576**	**0.03848**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**MW-33**	**0.05664**	**0.0427**	**0.038**	**Yes**	**15**	**0.04967**	**0.01029**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**MW-35**	**0.09214**	**0.07808**	**0.038**	**Yes**	**13**	**0.08423**	**0.0122**	**0**	**None**	**x^3**	**0.01**	**Param.**

Confidence Interval Summary Table - All Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 10/20/2025, 6:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	HGWC-14	0.003	0.001	0.006	No	22	0.002566	0.0009744	77.27	None	No	0.01	NP (NDs)
Antimony (mg/L)	HGWC-15	0.003	0.002	0.006	No	22	0.002458	0.0008493	63.64	None	No	0.01	NP (NDs)
Antimony (mg/L)	HGWC-18	0.002	0.0008	0.006	No	22	0.001945	0.0002558	95.45	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-33	0.002	0.002	0.006	No	11	0.00186	0.0004643	90.91	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-34D	0.002	0.0018	0.006	No	9	0.001978	0.00006667	88.89	None	No	0.002	NP (NDs)
Antimony (mg/L)	MW-35	0.002	0.002	0.006	No	11	0.001937	0.000574	81.82	None	No	0.006	NP (NDs)
Arsenic (mg/L)	HGWC-14	0.005223	0.003254	0.01	No	28	0.004239	0.002107	14.29	None	No	0.01	Param.
Arsenic (mg/L)	HGWC-15	0.002	0.0008	0.01	No	28	0.001834	0.000497	89.29	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-16	0.002	0.0012	0.01	No	28	0.001818	0.0004861	85.71	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-17	0.002	0.0017	0.01	No	28	0.001817	0.0004835	75	None	No	0.01	NP (NDs)
Arsenic (mg/L)	HGWC-18	0.006188	0.004066	0.01	No	28	0.005127	0.002271	7.143	None	No	0.01	Param.
Arsenic (mg/L)	MW-21D	0.003	0.0013	0.01	No	18	0.001861	0.0005644	77.78	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-33	0.007274	0.00314	0.01	No	14	0.005207	0.002918	7.143	None	No	0.01	Param.
Arsenic (mg/L)	MW-34D	0.003818	0.001034	0.01	No	11	0.002972	0.001568	27.27	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	MW-35	0.005632	0.002687	0.01	No	13	0.004546	0.001975	30.77	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	MW-51	0.0067	0.002	0.01	No	9	0.003544	0.001655	33.33	None	No	0.002	NP (normality)
Barium (mg/L)	HGWC-14	0.0214	0.017	2	No	28	0.02332	0.02009	3.571	None	No	0.01	NP (normality)
Barium (mg/L)	HGWC-15	0.02469	0.0168	2	No	28	0.02075	0.008441	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-16	0.1087	0.09873	2	No	28	0.1037	0.01067	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-17	0.02633	0.02384	2	No	28	0.02509	0.002671	0	None	No	0.01	Param.
Barium (mg/L)	HGWC-18	0.0313	0.026	2	No	28	0.03011	0.01478	3.571	None	No	0.01	NP (normality)
Barium (mg/L)	MW-21D	0.05747	0.03875	2	No	18	0.04883	0.01648	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-33	0.0253	0.01913	2	No	14	0.02221	0.004353	0	None	No	0.01	Param.
Barium (mg/L)	MW-34D	0.04128	0.03054	2	No	11	0.03591	0.006441	0	None	No	0.01	Param.
Barium (mg/L)	MW-35	0.02711	0.02197	2	No	13	0.02454	0.003455	0	None	No	0.01	Param.
Barium (mg/L)	MW-51	0.03638	0.02207	2	No	9	0.02922	0.007412	0	None	No	0.01	Param.
Beryllium (mg/L)	HGWC-14	0.00056	0.0004	0.004	No	26	0.0005369	0.0002934	7.692	None	No	0.01	NP (normality)
Beryllium (mg/L)	HGWC-17	0.0004	0.0001	0.004	No	26	0.0003358	0.0001343	80.77	None	No	0.01	NP (NDs)
Beryllium (mg/L)	HGWC-18	0.003195	0.002526	0.004	No	26	0.002861	0.0006866	3.846	None	No	0.01	Param.
Beryllium (mg/L)	MW-33	0.001002	0.0006335	0.004	No	14	0.0008179	0.0002603	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-34D	0.0004	0.00015	0.004	No	11	0.0003468	0.0001198	81.82	None	No	0.006	NP (NDs)
Beryllium (mg/L)	MW-35	0.0006156	0.0003844	0.004	No	13	0.0005	0.0001554	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-51	0.0004212	0.0001788	0.004	No	9	0.0003	0.0001255	0	None	No	0.01	Param.
Cadmium (mg/L)	HGWC-14	0.0005	0.00012	0.005	No	28	0.0003385	0.0001915	57.14	None	No	0.01	NP (NDs)
Cadmium (mg/L)	HGWC-15	0.001945	0.001185	0.005	No	28	0.001565	0.0008124	0	None	No	0.01	Param.
Cadmium (mg/L)	HGWC-17	0.0005	0.00015	0.005	No	28	0.0004721	0.0001029	92.86	None	No	0.01	NP (NDs)
Cadmium (mg/L)	HGWC-18	0.0023	0.0015	0.005	No	28	0.002111	0.001657	3.571	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-33	0.00022	0.00015	0.005	No	14	0.0002571	0.0002875	7.143	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-34D	0.001742	0.0003582	0.005	No	11	0.001347	0.0009991	18.18	Kaplan-Meier	No	0.01	Param.
Cadmium (mg/L)	MW-35	0.001575	0.001023	0.005	No	13	0.001299	0.0003713	0	None	No	0.01	Param.
Cadmium (mg/L)	MW-51	0.00118	0.000247	0.005	No	9	0.0007133	0.000483	0	None	No	0.01	Param.
Chromium (mg/L)	HGWC-14	0.005	0.00066	0.1	No	26	0.004657	0.001212	92.31	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-15	0.005	0.0012	0.1	No	26	0.004504	0.001405	88.46	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-16	0.005	0.0021	0.1	No	26	0.004547	0.001306	88.46	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-17	0.005	0.0018	0.1	No	26	0.004547	0.001291	88.46	None	No	0.01	NP (NDs)
Chromium (mg/L)	HGWC-18	0.005	0.00063	0.1	No	26	0.004482	0.001463	88.46	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-21D	0.005	0.00074	0.1	No	18	0.004517	0.001405	88.89	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-33	0.005	0.0028	0.1	No	14	0.004535	0.001252	85.71	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-34D	0.005	0.005	0.1	No	11	0.005082	0.0002714	90.91	None	No	0.006	NP (NDs)
Chromium (mg/L)	MW-35	0.005	0.00083	0.1	No	13	0.004355	0.001574	84.62	None	No	0.01	NP (NDs)
Cobalt (mg/L)	HGWC-14	0.034	0.026	0.038	No	28	0.03302	0.01868	3.571	None	No	0.01	NP (normality)
Cobalt (mg/L)	HGWC-15	0.03724	0.019	0.038	No	28	0.02812	0.01951	0	None	No	0.01	Param.
Cobalt (mg/L)	HGWC-16	0.005	0.00037	0.038	No	28	0.004666	0.001226	92.86	None	No	0.01	NP (NDs)
Cobalt (mg/L)	HGWC-17	0.01494	0.01154	0.038	No	28	0.01257	0.004555	3.571	None	x^2	0.01	Param.
Cobalt (mg/L)	**HGWC-18**	**0.1752**	**0.14**	**0.038**	**Yes**	**29**	**0.1576**	**0.03848**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MW-21D	0.005	0.00034	0.038	No	18	0.004741	0.001098	94.44	None	No	0.01	NP (NDs)
Cobalt (mg/L)	**MW-33**	**0.05664**	**0.0427**	**0.038**	**Yes**	**15**	**0.04967**	**0.01029**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MW-34D	0.008361	0.004985	0.038	No	11	0.006673	0.002026	0	None	No	0.01	Param.
Cobalt (mg/L)	**MW-35**	**0.09214**	**0.07808**	**0.038**	**Yes**	**13**	**0.08423**	**0.0122**	**0**	**None**	**x^3**	**0.01**	**Param.**
Cobalt (mg/L)	MW-51	0.0353	0.01803	0.038	No	9	0.02667	0.008944	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-14	1.439	0.9988	5	No	28	1.219	0.4714	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-15	0.8019	0.4412	5	No	28	0.6216	0.386	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-16	0.8575	0.5011	5	No	28	0.6793	0.3814	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-17	0.9486	0.6262	5	No	28	0.7874	0.345	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	HGWC-18	1.999	1.416	5	No	28	1.707	0.624	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-21D	0.8662	0.4115	5	No	18	0.6719	0.4174	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-33	1.874	0.9234	5	No	14	1.399	0.6713	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-34D	0.9579	0.463	5	No	11	0.7105	0.297	0	None	No	0.01	Param.

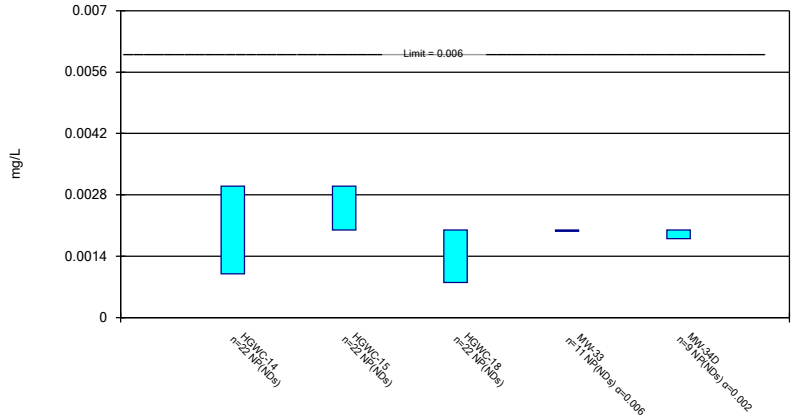
Confidence Interval Summary Table - All Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 10/20/2025, 6:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	MW-35	2.008	0.9372	5	No	13	1.506	0.8172	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-51	1.078	0.497	5	No	9	0.7873	0.3007	0	None	No	0.01	Param.
Fluoride (mg/L)	HGWC-14	0.1528	0.0764	4	No	29	0.1566	0.1421	17.24	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	HGWC-15	0.12	0.086	4	No	29	0.1287	0.1066	34.48	None	No	0.01	NP (normality)
Fluoride (mg/L)	HGWC-16	0.1033	0.04596	4	No	29	0.1348	0.1097	48.28	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	HGWC-17	0.1238	0.05939	4	No	29	0.1907	0.1954	24.14	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	HGWC-18	0.5498	0.3383	4	No	29	0.444	0.2309	3.448	None	No	0.01	Param.
Fluoride (mg/L)	MW-21D	0.1	0.078	4	No	18	0.09139	0.01733	72.22	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-33	0.2624	0.1314	4	No	15	0.1969	0.09666	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-34D	0.08987	0.06463	4	No	11	0.08345	0.01722	27.27	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	MW-35	0.1227	0.06126	4	No	13	0.092	0.04134	7.692	None	No	0.01	Param.
Fluoride (mg/L)	MW-51	0.1481	0.07812	4	No	9	0.1131	0.03624	0	None	No	0.01	Param.
Lead (mg/L)	HGWC-14	0.001594	0.001205	0.015	No	26	0.001399	0.0003987	7.692	None	No	0.01	Param.
Lead (mg/L)	HGWC-15	0.001	0.001	0.015	No	26	0.0008625	0.0003296	80.77	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-16	0.001	0.00016	0.015	No	26	0.0006932	0.0004309	65.38	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-17	0.001	0.00013	0.015	No	26	0.0006775	0.0004242	61.54	None	No	0.01	NP (NDs)
Lead (mg/L)	HGWC-18	0.001303	0.0009343	0.015	No	26	0.001119	0.0003786	7.692	None	No	0.01	Param.
Lead (mg/L)	MW-21D	0.001	0.00066	0.015	No	18	0.0008238	0.0003622	77.78	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-33	0.001715	0.0008903	0.015	No	14	0.001303	0.0005824	14.29	None	No	0.01	Param.
Lead (mg/L)	MW-34D	0.001	0.001	0.015	No	11	0.0009882	0.0000392	90.91	None	No	0.006	NP (NDs)
Lead (mg/L)	MW-35	0.001	0.00035	0.015	No	13	0.0007185	0.0003029	38.46	None	No	0.01	NP (normality)
Lithium (mg/L)	HGWC-14	0.002	0.00078	0.064	No	28	0.001941	0.0003828	89.29	None	No	0.01	NP (NDs)
Lithium (mg/L)	HGWC-15	0.005806	0.002149	0.064	No	28	0.007138	0.008856	21.43	Kaplan-Meier	ln(x)	0.01	Param.
Lithium (mg/L)	HGWC-16	0.003661	0.002935	0.064	No	28	0.003298	0.0007774	3.571	None	No	0.01	Param.
Lithium (mg/L)	HGWC-17	0.002	0.0012	0.064	No	28	0.001558	0.000414	39.29	None	No	0.01	NP (normality)
Lithium (mg/L)	HGWC-18	0.0136	0.01151	0.064	No	28	0.01255	0.002234	0	None	No	0.01	Param.
Lithium (mg/L)	MW-21D	0.02326	0.01725	0.064	No	18	0.01977	0.005509	0	None	x^2	0.01	Param.
Lithium (mg/L)	MW-33	0.0012	0.000839	0.064	No	14	0.001037	0.000366	14.29	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-34D	0.001867	0.001089	0.064	No	11	0.001639	0.0004837	18.18	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	MW-35	0.004096	0.002611	0.064	No	13	0.003354	0.0009986	7.692	None	No	0.01	Param.
Lithium (mg/L)	MW-51	0.001906	0.00107	0.064	No	9	0.001488	0.0004327	11.11	None	No	0.01	Param.
Mercury (mg/L)	HGWC-15	0.024	0.0002	0.002	No	21	0.001333	0.005194	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	HGWC-18	0.0002	0.00009	0.002	No	21	0.000169	0.00005744	76.19	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-35	0.00084	0.00014	0.002	No	9	0.0002744	0.0002206	55.56	None	No	0.002	NP (NDs)
Mercury (mg/L)	MW-51	0.0002	0.00013	0.002	No	8	0.0001912	0.00002475	87.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	HGWC-15	0.01	0.0007	0.1	No	26	0.009642	0.001824	96.15	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-21D	0.02725	0.01584	0.1	No	18	0.02154	0.009428	0	None	No	0.01	Param.
Selenium (mg/L)	HGWC-14	0.01082	0.005984	0.05	No	28	0.0084	0.00517	0	None	No	0.01	Param.
Selenium (mg/L)	HGWC-15	0.005	0.0041	0.05	No	28	0.00454	0.001274	85.71	None	No	0.01	NP (NDs)
Selenium (mg/L)	HGWC-16	0.005	0.0015	0.05	No	28	0.004575	0.00127	89.29	None	No	0.01	NP (NDs)
Selenium (mg/L)	HGWC-17	0.005	0.0023	0.05	No	28	0.004364	0.001427	82.14	None	No	0.01	NP (NDs)
Selenium (mg/L)	HGWC-18	0.0287	0.01231	0.05	No	28	0.02342	0.02074	3.571	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	MW-33	0.0169	0.007555	0.05	No	14	0.01344	0.009765	0	None	ln(x)	0.01	Param.
Selenium (mg/L)	MW-34D	0.005	0.0016	0.05	No	11	0.003927	0.001562	54.55	None	No	0.006	NP (NDs)
Selenium (mg/L)	MW-35	0.016	0.0057	0.05	No	13	0.01103	0.008615	0	None	No	0.01	NP (normality)
Selenium (mg/L)	MW-51	0.004566	0.001478	0.05	No	9	0.003567	0.001802	22.22	Kaplan-Meier	No	0.01	Param.
Thallium (mg/L)	HGWC-14	0.000306	0.00027	0.002	No	28	0.0003106	0.00007003	7.143	None	No	0.01	NP (normality)
Thallium (mg/L)	HGWC-15	0.0005	0.00022	0.002	No	28	0.00049	0.00005292	96.43	None	No	0.01	NP (NDs)
Thallium (mg/L)	HGWC-17	0.0005	0.00025	0.002	No	28	0.0003946	0.0001716	71.43	None	No	0.01	NP (NDs)
Thallium (mg/L)	HGWC-18	0.0005	0.00019	0.002	No	28	0.0003582	0.0001676	57.14	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-33	0.001	0.00023	0.002	No	14	0.0004807	0.0003439	28.57	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-34D	0.0005	0.0005	0.002	No	11	0.0004682	0.0001055	90.91	None	No	0.006	NP (NDs)
Thallium (mg/L)	MW-35	0.0005	0.00013	0.002	No	13	0.0004715	0.0001026	92.31	None	No	0.01	NP (NDs)

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

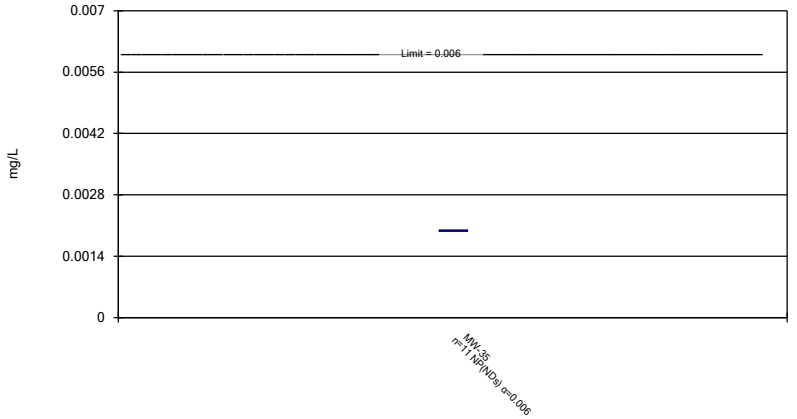


Constituent: Antimony Analysis Run 10/20/2025 6:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

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Non-Parametric Confidence Interval

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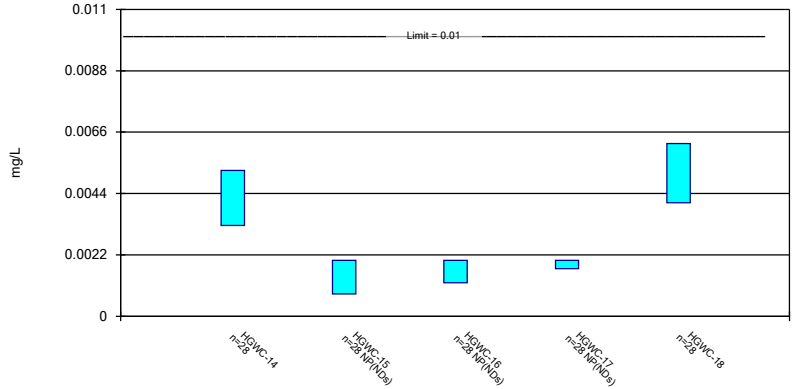


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Parametric and Non-Parametric (NP) Confidence Interval

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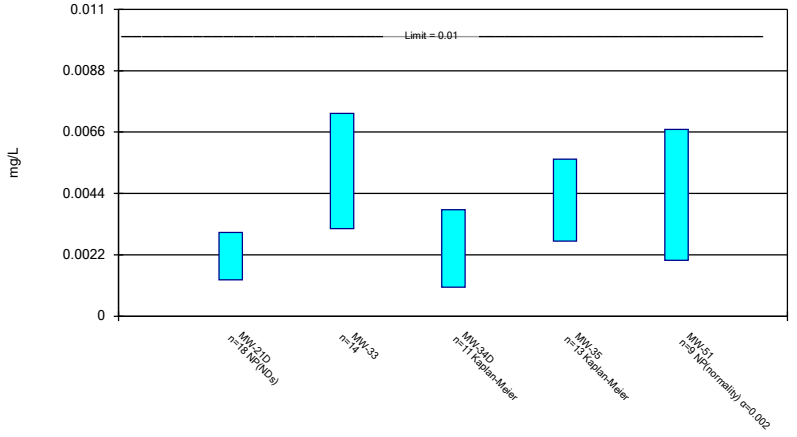


Constituent: Arsenic Analysis Run 10/20/2025 6:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

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Parametric and Non-Parametric (NP) Confidence Interval

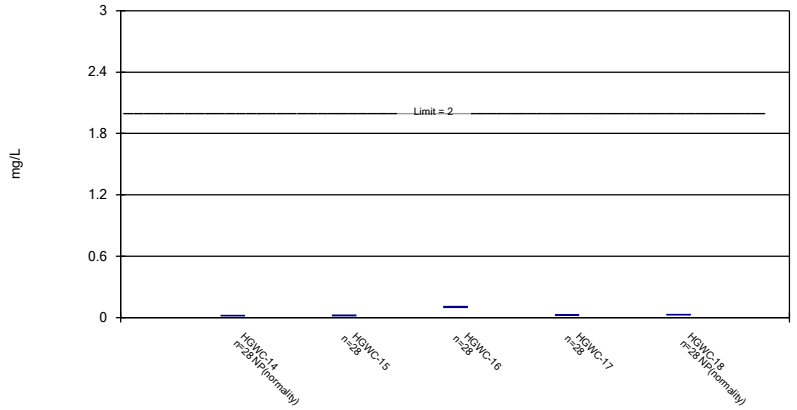
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Plant Hammond Client: Southern Company Data: Hammond AP2

Parametric and Non-Parametric (NP) Confidence Interval

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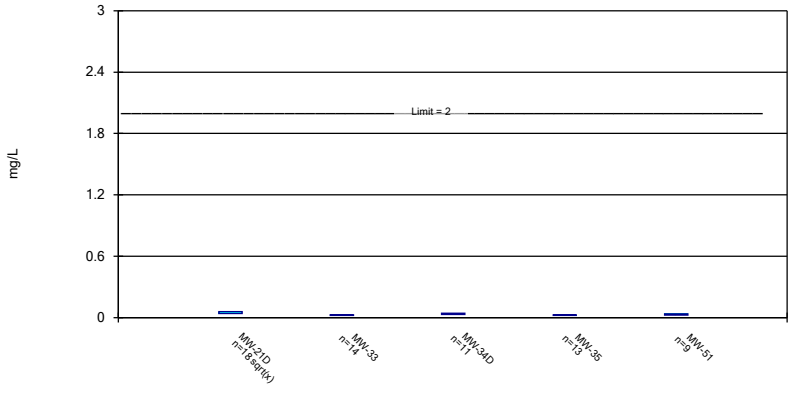


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Plant Hammond Client: Southern Company Data: Hammond AP2

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Parametric Confidence Interval

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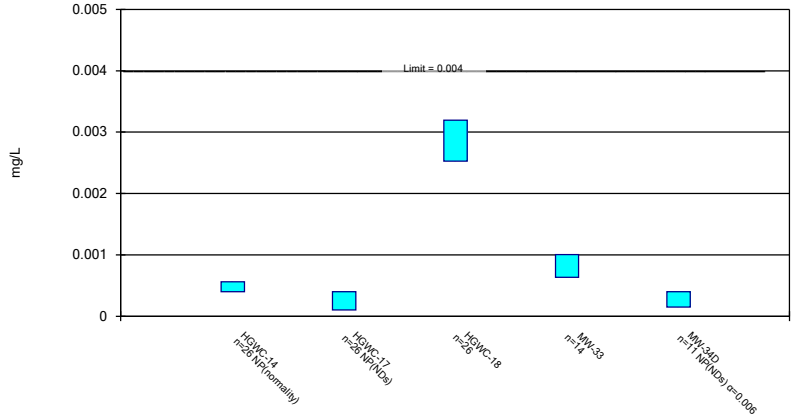


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Plant Hammond Client: Southern Company Data: Hammond AP2

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Parametric and Non-Parametric (NP) Confidence Interval

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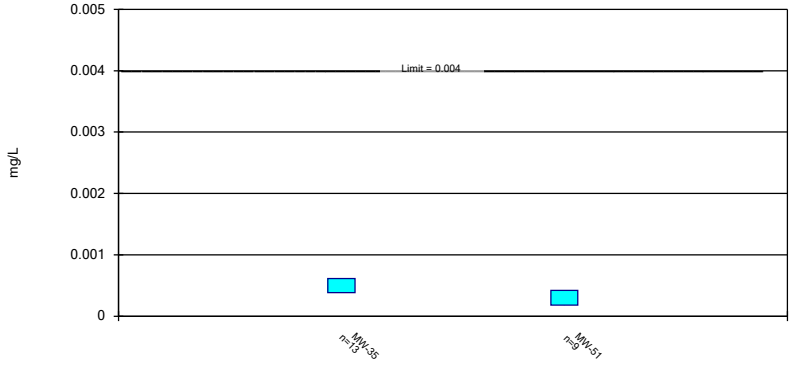


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Plant Hammond Client: Southern Company Data: Hammond AP2

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Parametric Confidence Interval

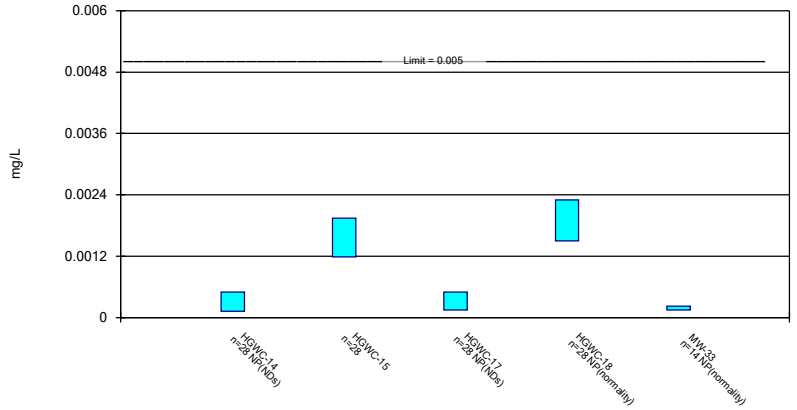
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Plant Hammond Client: Southern Company Data: Hammond AP2

Parametric and Non-Parametric (NP) Confidence Interval

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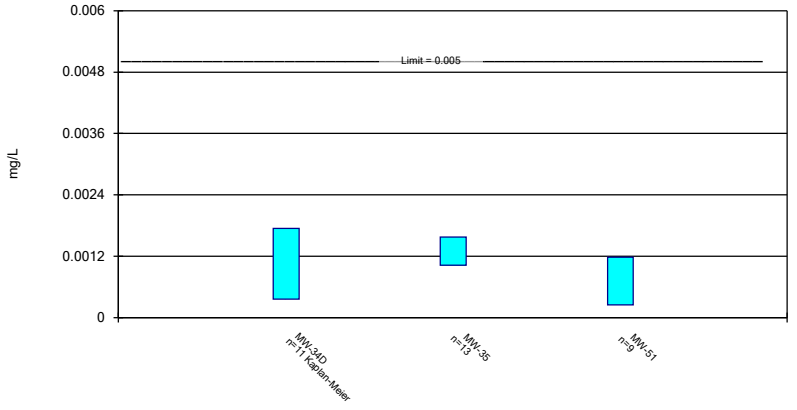


Constituent: Cadmium Analysis Run 10/20/2025 6:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

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Parametric Confidence Interval

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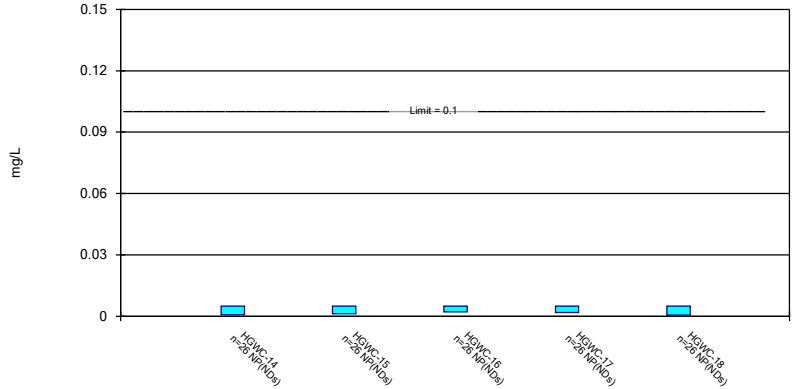


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Plant Hammond Client: Southern Company Data: Hammond AP2

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Non-Parametric Confidence Interval

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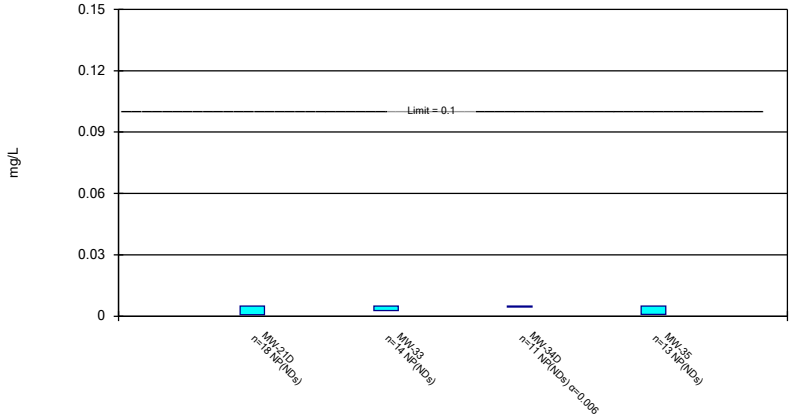


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Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

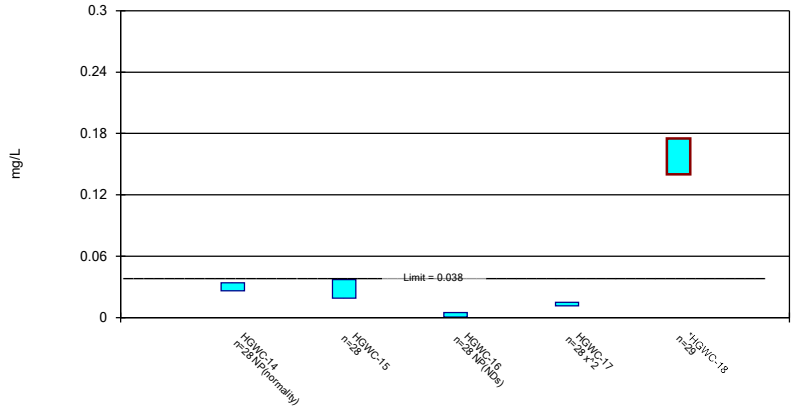
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Chromium Analysis Run 10/20/2025 6:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

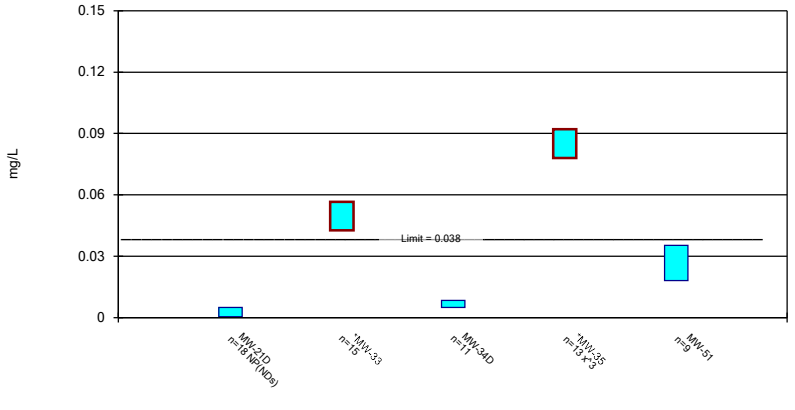


Constituent: Cobalt Analysis Run 10/20/2025 6:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

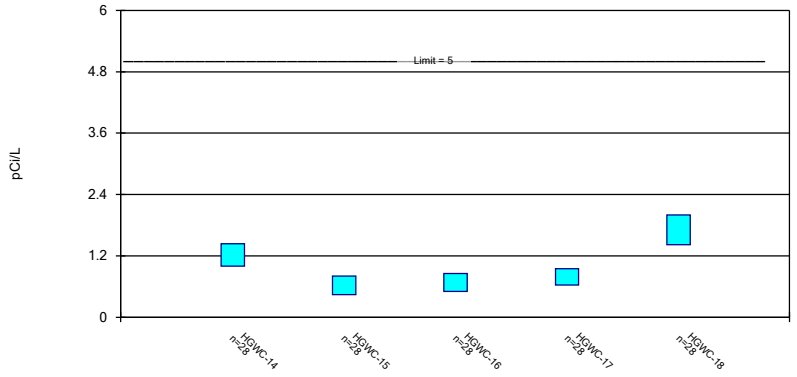


Constituent: Cobalt Analysis Run 10/20/2025 6:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

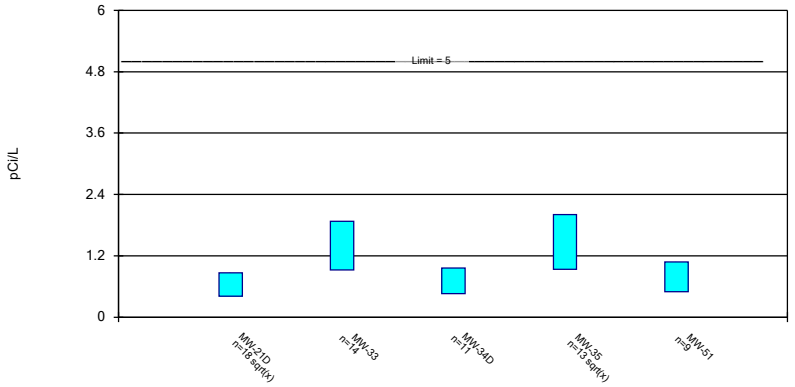


Constituent: Combined Radium 226 + 228 Analysis Run 10/20/2025 6:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric Confidence Interval

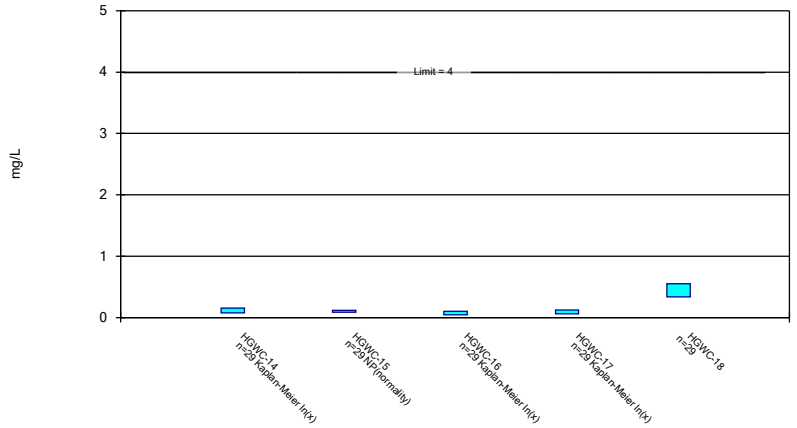
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 10/20/2025 6:22 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



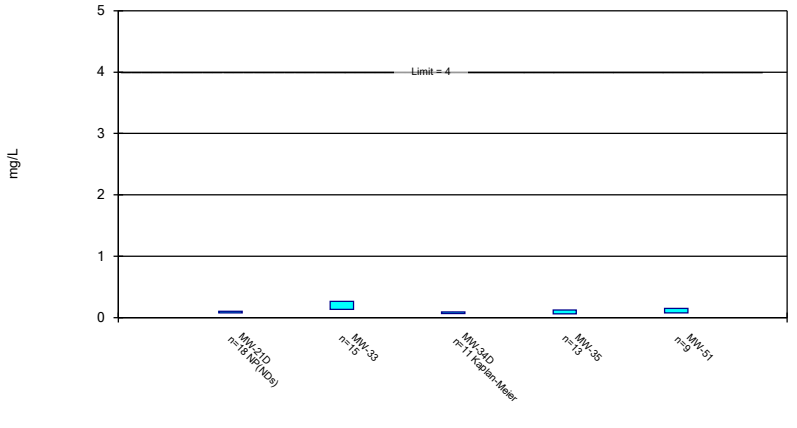
Constituent: Fluoride Analysis Run 10/20/2025 6:23 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



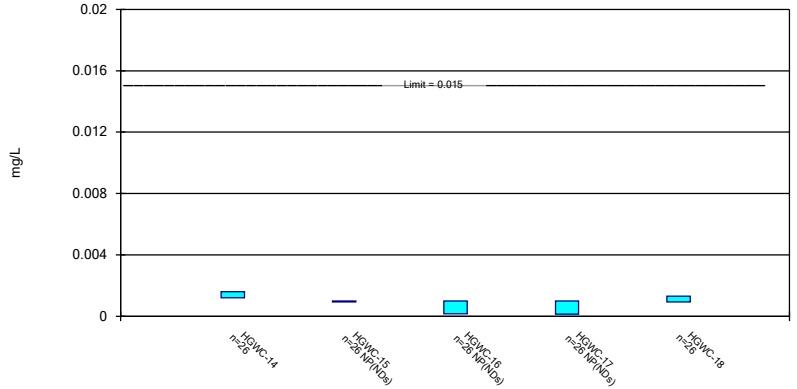
Constituent: Fluoride Analysis Run 10/20/2025 6:23 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



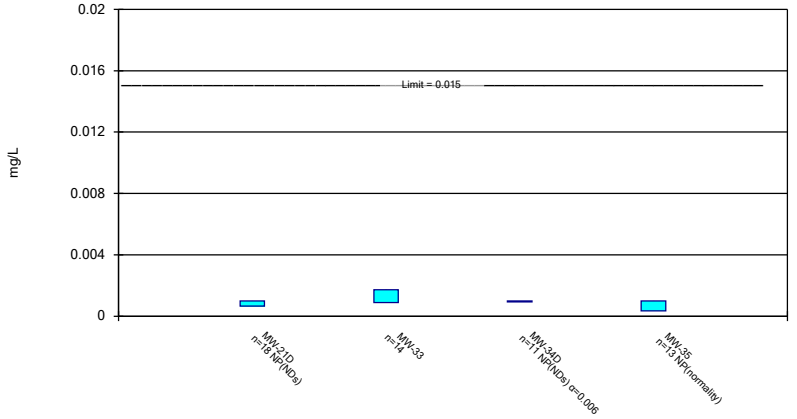
Constituent: Lead Analysis Run 10/20/2025 6:23 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

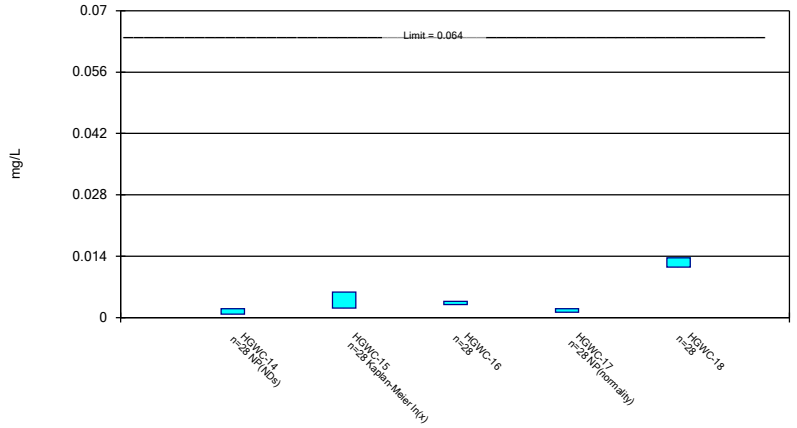


Constituent: Lead Analysis Run 10/20/2025 6:23 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

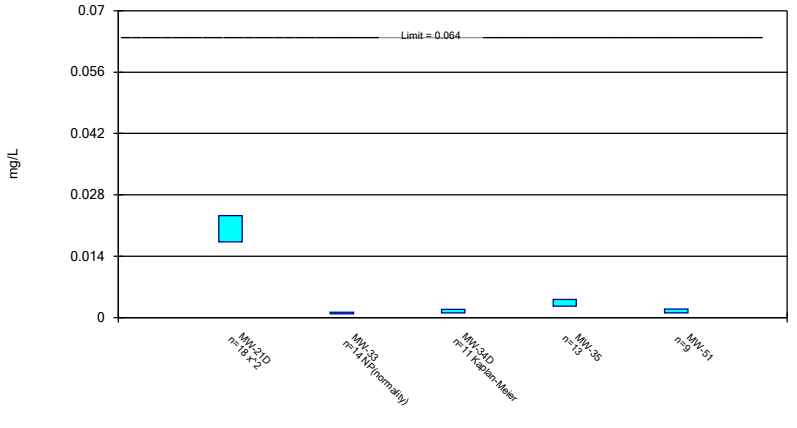


Constituent: Lithium Analysis Run 10/20/2025 6:23 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

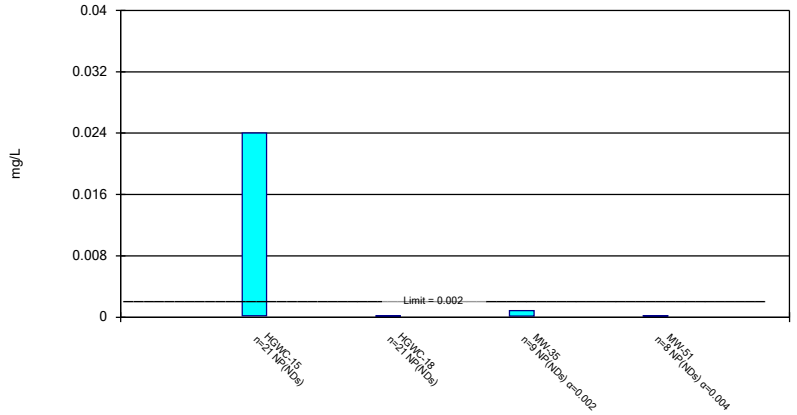


Constituent: Lithium Analysis Run 10/20/2025 6:23 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

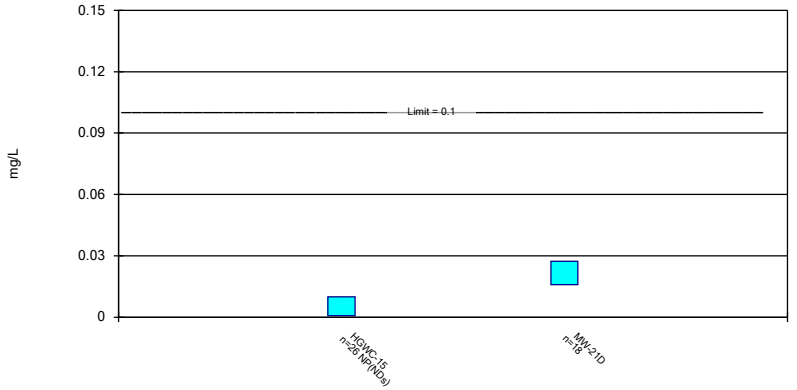


Constituent: Mercury Analysis Run 10/20/2025 6:23 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

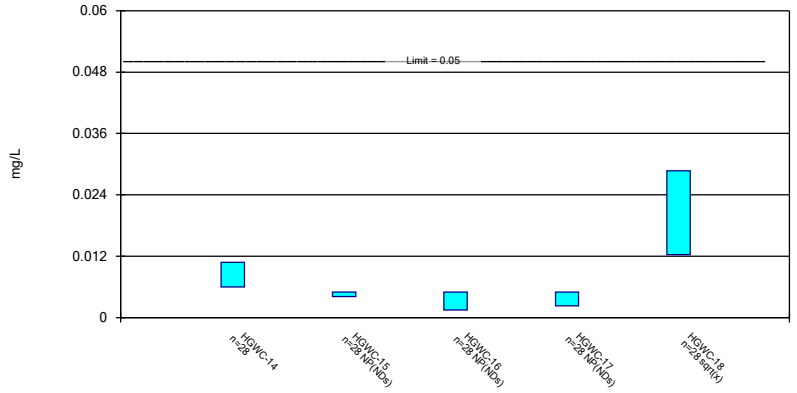
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 10/20/2025 6:23 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

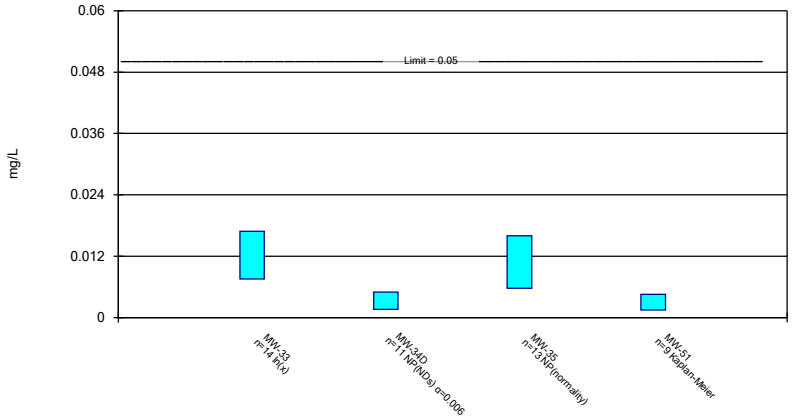


Constituent: Selenium Analysis Run 10/20/2025 6:23 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

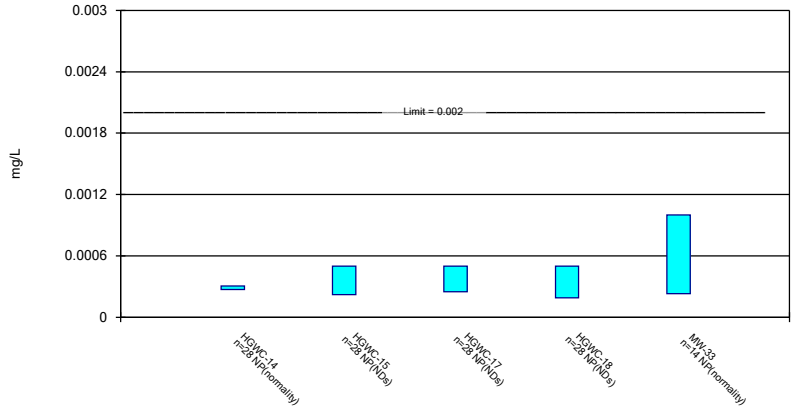


Constituent: Selenium Analysis Run 10/20/2025 6:23 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

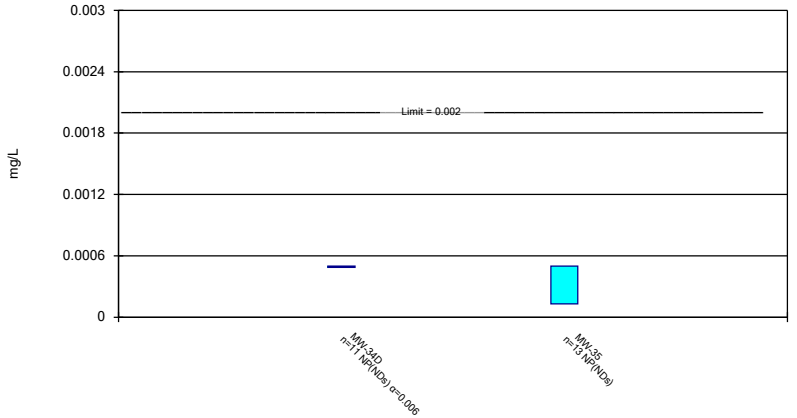


Constituent: Thallium Analysis Run 10/20/2025 6:23 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Thallium Analysis Run 10/20/2025 6:23 PM View: Confidence Interval
Plant Hammond Client: Southern Company Data: Hammond AP2

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-18	MW-33	MW-34D
5/23/2016	<0.003	<0.003			
5/24/2016			<0.002		
7/12/2016	0.0003 (J)	<0.003	<0.002		
9/1/2016	<0.003	<0.003	<0.002		
10/24/2016	<0.003	<0.003			
10/25/2016			<0.002		
12/7/2016	<0.003	<0.003			
12/8/2016			<0.002		
1/26/2017	<0.003	<0.003	<0.002		
3/23/2017	<0.003	<0.003	<0.002		
5/24/2017	<0.003	<0.003			
5/25/2017			<0.002		
4/3/2018		<0.003	<0.002		
4/4/2018	<0.003				
3/14/2019	<0.003	<0.003	<0.002		
3/3/2020	<0.003	<0.003	<0.002		
2/11/2021	0.00043 (J)		<0.002		
2/12/2021		<0.003		0.00046 (J)	
3/16/2021		<0.003			
3/17/2021	<0.003				
3/18/2021			<0.002	<0.002	
8/16/2021					<0.002
8/18/2021	<0.003			<0.002	
8/19/2021		<0.003	0.0008 (J)		
2/8/2022		0.002 (J)	<0.002	<0.002	
2/9/2022	<0.003				<0.002
8/10/2022			<0.002	<0.002	<0.002
8/11/2022	0.001 (J)	0.0016 (J)			
1/27/2023				<0.002	
1/30/2023					0.0018 (J)
2/1/2023	<0.003	0.0021 (J)	<0.002		
8/12/2023					<0.002
8/13/2023	0.0032	0.0027 (J)	<0.002	<0.002	
2/17/2024	<0.003	0.0014 (J)			
2/18/2024			<0.002	<0.002	<0.002
8/8/2024		0.001 (J)			
8/9/2024			<0.002	<0.002	
8/10/2024	<0.003				<0.002
2/16/2025				<0.002	
2/17/2025		0.00056 (J)			
2/18/2025	<0.003		<0.002		<0.002
8/8/2025	0.00052 (J)	0.00071 (J)	<0.002	<0.002	<0.002
Mean	0.002566	0.002458	0.001945	0.00186	0.001978
Std. Dev.	0.0009744	0.0008493	0.0002558	0.0004643	6.667E-05
Upper Lim.	0.003	0.003	0.002	0.002	0.002
Lower Lim.	0.001	0.002	0.0008	0.002	0.0018

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-35
2/15/2021	0.00041 (J)
3/19/2021	<0.002
8/18/2021	<0.002
2/8/2022	0.0029 (J)
8/11/2022	<0.002
2/1/2023	<0.002
8/12/2023	<0.002
2/19/2024	<0.002
8/9/2024	<0.002
3/6/2025	<0.002
8/8/2025	<0.002
Mean	0.001937
Std. Dev.	0.000574
Upper Lim.	0.002
Lower Lim.	0.002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17	HGWC-18
5/23/2016	0.00268 (J)	<0.002	<0.002	<0.002	
5/24/2016					0.00294 (J)
7/12/2016	0.0059	<0.002	<0.002	<0.002	0.0074
9/1/2016	0.0056	<0.002	<0.002	<0.002	0.0073
10/24/2016	0.0058	<0.002			
10/25/2016			<0.002	<0.002	0.006
12/7/2016	<0.002	<0.002	<0.002	<0.002	
12/8/2016					0.007
1/26/2017	0.0089	<0.002	<0.002	<0.002	0.0068
3/22/2017			0.0005 (J)	0.0007 (J)	
3/23/2017	0.0069	0.0008 (J)			0.0082
5/24/2017	0.0048 (J)	<0.002	<0.002		
5/25/2017				0.0007 (J)	0.006
4/3/2018		<0.002	<0.002	<0.002	0.0062
4/4/2018	0.0052				
6/5/2018					0.008
6/6/2018	0.0059	<0.002	<0.002	0.00097 (J)	
10/3/2018	0.0032 (J)	<0.002	<0.002	<0.002	0.0039 (J)
3/14/2019	0.0029 (J)	<0.002			0.0036 (J)
3/15/2019			<0.002	<0.002	
4/4/2019		0.00017 (J)	0.0001 (J)		
4/5/2019	<0.002			<0.002	0.0015 (J)
9/24/2019	0.0039 (J)	0.00037 (J)			
9/25/2019			<0.002	<0.002	0.0044 (J)
3/3/2020	0.0035 (J)	<0.002	<0.002	<0.002	0.0057
3/26/2020		<0.002			
3/30/2020	0.0051		0.0011 (J)		
3/31/2020				0.0008 (J)	0.0056
9/15/2020					0.0074
9/16/2020				<0.002	
9/17/2020		<0.002	<0.002		
9/18/2020	0.0029 (J)				
2/10/2021			0.0012 (J)		
2/11/2021	0.0062			0.0012 (J)	0.0069
2/12/2021		<0.002			
3/16/2021		<0.002			
3/17/2021	<0.002		<0.002		
3/18/2021				<0.002	0.0083 (J)
8/18/2021	0.0035 (J)			<0.002	
8/19/2021		<0.002	<0.002		0.0045 (J)
2/8/2022		<0.002	<0.002	0.0017 (J)	0.005 (J)
2/9/2022	0.0077				
8/10/2022			<0.002	<0.002	0.0058
8/11/2022	0.006	<0.002			
1/30/2023				0.0028 (J)	
2/1/2023	0.004 (J)	<0.002	<0.002		0.0036 (J)
8/13/2023	0.0048 (J)	<0.002	<0.002	<0.002	0.0059 (J)
2/17/2024	0.0026 (J)	<0.002		<0.002	
2/18/2024			<0.002		0.0027 (J)
8/8/2024		<0.002		<0.002	
8/9/2024			<0.002		0.00092 (J)
8/10/2024	0.005 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17	HGWC-18
2/16/2025				<0.002	
2/17/2025		<0.002	<0.002		
2/18/2025	0.0017 (J)				<0.002
8/8/2025	<0.002	<0.002	<0.002	<0.002	<0.002
Mean	0.004239	0.001834	0.001818	0.001817	0.005127
Std. Dev.	0.002107	0.000497	0.0004861	0.0004835	0.002271
Upper Lim.	0.005223	0.002	0.002	0.002	0.006188
Lower Lim.	0.003254	0.0008	0.0012	0.0017	0.004066

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-21D	MW-33	MW-34D	MW-35	MW-51
3/15/2019	<0.002				
4/4/2019	0.00019 (J)				
9/25/2019	<0.002				
3/3/2020	<0.002				
4/1/2020	0.0013 (J)	0.0061			
6/17/2020	<0.002	0.0031 (J)			
6/18/2020			0.0032 (J)	0.005 (J)	
9/21/2020	<0.002	0.0083		0.0059	
9/23/2020			0.001 (J)		
2/11/2021	0.001 (J)				
2/12/2021		0.0059			
2/15/2021				0.005	
3/18/2021	<0.002	0.0054 (J)			
3/19/2021				<0.002	
8/16/2021			0.0024 (J)		
8/18/2021		0.0058		0.0043 (J)	0.002 (J)
8/19/2021	<0.002				
2/8/2022	<0.002	0.0069		0.0072	0.0046 (J)
2/9/2022			0.0054		
8/10/2022		<0.025	0.0045 (J)		
8/11/2022	0.003 (J)			<0.002	0.0043 (J)
1/27/2023	<0.002	0.0031 (J)			
1/30/2023			0.0047 (J)		
2/1/2023				0.006	0.0041 (J)
8/12/2023	<0.002		<0.002	0.0045 (J)	<0.002
8/13/2023		0.0059 (J)			
2/18/2024	<0.002	0.0024 (J)	0.00099 (J)		
2/19/2024				0.0073	0.0067
8/9/2024	<0.002	0.0041 (J)		0.0059	0.0042 (J)
8/10/2024			0.0045 (J)		
2/16/2025		0.0021 (J)			
2/18/2025	<0.002		<0.002		
3/6/2025				<0.002	<0.002
8/8/2025	<0.002	0.0013 (J)	<0.002	<0.002	<0.002
Mean	0.001861	0.005207	0.002972	0.004546	0.003544
Std. Dev.	0.0005644	0.002918	0.001568	0.001975	0.001655
Upper Lim.	0.003	0.007274	0.003818	0.005632	0.0067
Lower Lim.	0.0013	0.00314	0.001034	0.002687	0.002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17	HGWC-18
5/23/2016	<0.25	0.0315 (J)	0.0841	0.0222 (J)	
5/24/2016					<0.2
7/12/2016	0.0214	0.0372	0.0886	0.0221	0.0346
9/1/2016	0.0208	0.0364	0.0934	0.0227	0.0336
10/24/2016	0.0208	0.0326			
10/25/2016			0.0991	0.0225	0.0349
12/7/2016	0.022	0.0301	0.101	0.0227	
12/8/2016					0.0339
1/26/2017	0.0238	0.0287	0.105	0.0229	0.0293
3/22/2017			0.11	0.0248	
3/23/2017	0.0244	0.0329			0.0313
5/24/2017	0.0228	0.0283	0.106		
5/25/2017				0.0255	0.0336
4/3/2018		0.019	0.099	0.025	0.028
4/4/2018	0.021				
6/5/2018					0.03
6/6/2018	0.022	0.022	0.11	0.028	
10/3/2018	0.02	0.025	0.11	0.028	0.032
3/14/2019	0.019	0.021			0.029
3/15/2019			0.13	0.029	
4/4/2019		0.018	0.11		
4/5/2019	0.016			0.022	0.021
9/24/2019	0.021	0.019			
9/25/2019			0.11	0.025	0.03
3/3/2020	0.018	0.018	0.12	0.026	0.026
3/26/2020		0.016			
3/30/2020	0.02		0.11		
3/31/2020				0.029	0.029
9/15/2020					0.03
9/16/2020				0.025	
9/17/2020		0.017	0.11		
9/18/2020	0.019				
2/10/2021			0.11		
2/11/2021	0.02			0.025	0.03
2/12/2021		0.014			
3/16/2021		0.012			
3/17/2021	0.023		0.12		
3/18/2021				0.027	0.031
8/18/2021	0.018			0.022	
8/19/2021		0.01	0.1		0.031
2/8/2022		0.0098	0.1	0.021	0.02
2/9/2022	0.017				
8/10/2022			0.1	0.027	0.026
8/11/2022	0.017	0.015			
1/30/2023				0.03	
2/1/2023	0.017	0.021	0.11		0.019
8/13/2023	0.016	0.011	0.099	0.025	0.026
2/17/2024	0.02	0.017		0.023	
2/18/2024			0.098		0.02
8/8/2024		0.0094		0.023	
8/9/2024			0.086		0.021
8/10/2024	0.015				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17	HGWC-18
2/16/2025				0.03	
2/17/2025		0.017	0.098		
2/18/2025	0.016				0.016
8/8/2025	0.017	0.012	0.087	0.027	0.017
Mean	0.02332	0.02075	0.1037	0.02509	0.03011
Std. Dev.	0.02009	0.008441	0.01067	0.002671	0.01478
Upper Lim.	0.0214	0.02469	0.1087	0.02633	0.0313
Lower Lim.	0.017	0.0168	0.09873	0.02384	0.026

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-21D	MW-33	MW-34D	MW-35	MW-51
3/15/2019	0.09				
4/4/2019	0.075				
9/25/2019	0.066				
3/3/2020	0.058				
4/1/2020	0.066	0.027			
6/17/2020	0.054	0.024			
6/18/2020			0.044	0.029	
9/21/2020	0.049	0.024		0.028	
9/23/2020			0.038		
2/11/2021	0.044				
2/12/2021		0.025			
2/15/2021				0.026	
3/18/2021	0.047	0.029			
3/19/2021				0.032	
8/16/2021			0.035		
8/18/2021		0.025		0.025	0.032
8/19/2021	0.042				
2/8/2022	0.033	0.02		0.023	0.046
2/9/2022			0.04		
8/10/2022		0.02 (J)	0.046		
8/11/2022	0.037			0.022 (J)	0.028
1/27/2023	0.031	0.018			
1/30/2023			0.04		
2/1/2023				0.022	0.033
8/12/2023	0.033		0.033	0.021	0.026
8/13/2023		0.023			
2/18/2024	0.034	0.016	0.033		
2/19/2024				0.021	0.028
8/9/2024	0.035	0.027		0.021	0.026
8/10/2024			0.032		
2/16/2025		0.016			
2/18/2025	0.045		0.03		
3/6/2025				0.024	0.024
8/8/2025	0.04	0.017	0.024	0.025	0.02
Mean	0.04883	0.02221	0.03591	0.02454	0.02922
Std. Dev.	0.01648	0.004353	0.006441	0.003455	0.007412
Upper Lim.	0.05747	0.0253	0.04128	0.02711	0.03638
Lower Lim.	0.03875	0.01913	0.03054	0.02197	0.02207

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-17	HGWC-18	MW-33	MW-34D
5/23/2016	<0.003	<0.0004			
5/24/2016			0.00278 (J)		
7/12/2016	0.0005 (J)	<0.0004	0.0032		
9/1/2016	0.0005 (J)	<0.0004	0.0034		
10/24/2016	0.0005 (J)				
10/25/2016		<0.0004	0.0034		
12/7/2016	0.0006 (J)	<0.0004			
12/8/2016			0.0033		
1/26/2017	0.0005 (J)	<0.0004	0.0034		
3/22/2017		<0.0004			
3/23/2017	0.0006 (J)		0.0036		
5/24/2017	0.0005 (J)				
5/25/2017		<0.0004	0.0036		
4/3/2018		<0.0004	<0.003		
4/4/2018	<0.003				
3/14/2019	0.00043 (J)		0.0026 (J)		
3/15/2019		<0.0004			
4/5/2019	0.00027 (J)	<0.0004	0.0022 (J)		
9/24/2019	0.00044 (J)				
9/25/2019		<0.0004	0.0031		
3/3/2020	0.00043 (J)	<0.0004	0.0029 (J)		
3/30/2020	0.00043 (J)				
3/31/2020		<0.0004	0.003		
4/1/2020				0.0011 (J)	
6/17/2020				0.00099 (J)	
6/18/2020					0.00015 (J)
9/15/2020			0.0033		
9/16/2020		<0.0004			
9/18/2020	0.00043 (J)				
9/21/2020				0.0009 (J)	
9/23/2020					<0.0004
2/11/2021	0.00044 (J)	6.7E-05 (J)	0.0036		
2/12/2021				0.001 (J)	
3/17/2021	0.00058				
3/18/2021		4.8E-05 (J)	0.0038	0.0011	
8/16/2021					<0.0004
8/18/2021	0.00039 (J)	<0.0004		0.00097	
8/19/2021			0.0034		
2/8/2022		<0.0004	0.0026	0.00087 (J)	
2/9/2022	0.00056				6.5E-05 (J)
8/10/2022		6E-05 (J)	0.0032	0.0008	<0.0004
8/11/2022	0.00039 (J)				
1/27/2023				0.00019 (J)	
1/30/2023		5.7E-05 (J)			<0.0004
2/1/2023	0.00039 (J)		0.002		
8/12/2023					<0.0004
8/13/2023	0.0004 (J)	0.0001 (J)	0.003	0.00099	
2/17/2024	0.00044 (J)	<0.0004			
2/18/2024			0.0022	0.00059	<0.0004
8/8/2024		<0.0004			
8/9/2024			0.0021	0.00084	
8/10/2024	0.00047 (J)				<0.0004

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-17	HGWC-18	MW-33	MW-34D
2/16/2025		<0.0004		0.00048 (J)	
2/18/2025	0.00038 (J)		0.0015		<0.0004
8/8/2025	0.00039 (J)	<0.0004	0.0017	0.00063	<0.0004
Mean	0.0005369	0.0003358	0.002861	0.0008179	0.0003468
Std. Dev.	0.0002934	0.0001343	0.0006866	0.0002603	0.0001198
Upper Lim.	0.00056	0.0004	0.003195	0.001002	0.0004
Lower Lim.	0.0004	0.0001	0.002526	0.0006335	0.00015

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-35	MW-51
6/18/2020	0.00032 (J)	
9/21/2020	0.0004 (J)	
2/15/2021	0.0006 (J)	
3/19/2021	0.00061	
8/18/2021	0.00061	0.00042 (J)
2/8/2022	0.0007 (J)	0.00011 (J)
8/11/2022	0.00066 (J)	0.00028 (J)
2/1/2023	0.00049 (J)	0.00028 (J)
8/12/2023	0.00041 (J)	0.00012 (J)
2/19/2024	0.00064	0.00047 (J)
8/9/2024	0.00053	0.00028 (J)
3/6/2025	0.00033 (J)	0.00041 (J)
8/8/2025	0.0002 (J)	0.00033 (J)
Mean	0.0005	0.0003
Std. Dev.	0.0001554	0.0001255
Upper Lim.	0.0006156	0.0004212
Lower Lim.	0.0003844	0.0001788

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-17	HGWC-18	MW-33
5/23/2016	0.000139 (J)	0.00271 (J)	<0.0005		
5/24/2016				<0.02	
7/12/2016	<0.0005	0.0019	<0.0005	0.0022	
9/1/2016	0.0001 (J)	0.0017	<0.0005	0.0024	
10/24/2016	0.0002 (J)	0.0018			
10/25/2016			<0.0005	0.0022	
12/7/2016	0.0001 (J)	0.0018	<0.0005		
12/8/2016				0.0024	
1/26/2017	0.0001 (J)	0.0013	<0.0005	0.0025	
3/22/2017			7E-05 (J)		
3/23/2017	0.0002 (J)	0.002		0.0025	
5/24/2017	0.0001 (J)	0.0041			
5/25/2017			<0.0005	0.0027	
4/3/2018		0.0022	<0.0005	0.0022	
4/4/2018	<0.0005				
6/5/2018				0.0022	
6/6/2018	0.00012 (J)	0.0021	<0.0005		
10/3/2018	0.0001 (J)	0.0026	<0.0005	0.0027	
3/14/2019	<0.0005	0.0024		0.0019	
3/15/2019			<0.0005		
4/4/2019		0.0018			
4/5/2019	7.9E-05 (J)		<0.0005	0.0017	
9/24/2019	<0.0005	0.0014 (J)			
9/25/2019			<0.0005	0.0023 (J)	
3/3/2020	<0.0005	0.0015 (J)	<0.0005	0.0021 (J)	
3/26/2020		0.0016 (J)			
3/30/2020	<0.0005				
3/31/2020			<0.0005	0.0017 (J)	
4/1/2020					0.00022 (J)
6/17/2020					0.00021 (J)
9/15/2020				0.0019 (J)	
9/16/2020			<0.0005		
9/17/2020		0.0016 (J)			
9/18/2020	<0.0005				
9/21/2020					0.00016 (J)
2/11/2021	<0.0005		<0.0005	0.0016 (J)	
2/12/2021		0.0014 (J)			0.00017 (J)
3/16/2021		0.0011			
3/17/2021	<0.0005				
3/18/2021			<0.0005	0.0015	0.00019 (J)
8/18/2021	0.00013 (J)		<0.0005		0.00017 (J)
8/19/2021		0.0012		0.0014	
2/8/2022		0.0011	<0.0005	0.00076	0.00013 (J)
2/9/2022	<0.0005				
8/10/2022			<0.0005	0.0017	<0.0025
8/11/2022	<0.0005	0.00095			
1/27/2023					0.00017 (J)
1/30/2023			<0.0005		
2/1/2023	<0.0005	0.00088		0.001	
8/13/2023	<0.0005	0.00033 (J)	<0.0005	0.0017	0.0002 (J)
2/17/2024	<0.0005	0.00084	<0.0005		
2/18/2024				0.0015	0.00014 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-17	HGWC-18	MW-33
8/8/2024		0.00037 (J)	<0.0005		
8/9/2024				0.00096	0.00024 (J)
8/10/2024	0.00011 (J)				
2/16/2025			0.00015 (J)		0.00015 (J)
2/17/2025		0.00083			
2/18/2025	<0.0005			0.00056	
8/8/2025	<0.0005	0.00031 (J)	<0.0005	0.00084	0.0002 (J)
Mean	0.0003385	0.001565	0.0004721	0.002111	0.0002571
Std. Dev.	0.0001915	0.0008124	0.0001029	0.001657	0.0002875
Upper Lim.	0.0005	0.001945	0.0005	0.0023	0.00022
Lower Lim.	0.00012	0.001185	0.00015	0.0015	0.00015

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-34D	MW-35	MW-51
6/18/2020	<0.0025	0.00053 (J)	
9/21/2020		0.001 (J)	
9/23/2020	<0.0025		
2/15/2021		0.0017 (J)	
3/19/2021		0.0018	
8/16/2021	0.00023 (J)		
8/18/2021		0.0015	0.00094
2/8/2022		0.0015	0.00024 (J)
2/9/2022	0.00072		
8/10/2022	0.00041 (J)		
8/11/2022		0.0013 (J)	0.00045 (J)
1/30/2023	0.00047 (J)		
2/1/2023		0.0017	0.0016
8/12/2023	0.0029	0.0012	0.00019 (J)
2/18/2024	0.0008		
2/19/2024		0.0013	0.00067
8/9/2024		0.0012	0.00038 (J)
8/10/2024	0.0015		
2/18/2025	0.0022		
3/6/2025		0.0014	0.0013
8/8/2025	0.00059	0.00076	0.00065
Mean	0.001347	0.001299	0.0007133
Std. Dev.	0.0009991	0.0003713	0.000483
Upper Lim.	0.001742	0.001575	0.00118
Lower Lim.	0.0003582	0.001023	0.000247

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17	HGWC-18
5/23/2016	<0.005	<0.005	<0.005	<0.005	
5/24/2016					<0.005
7/12/2016	<0.005	<0.005	<0.005	<0.005	<0.005
9/1/2016	<0.005	<0.005	<0.005	<0.005	<0.005
10/24/2016	<0.005	<0.005			
10/25/2016			<0.005	<0.005	<0.005
12/7/2016	<0.005	<0.005	<0.005	<0.005	
12/8/2016					<0.005
1/26/2017	<0.005	<0.005	<0.005	<0.005	<0.005
3/22/2017			0.0021 (J)	<0.005	
3/23/2017	<0.005	0.0005 (J)			0.0005 (J)
5/24/2017	<0.005	<0.005	<0.005		
5/25/2017				<0.005	<0.005
4/3/2018		<0.005	<0.005	<0.005	<0.005
4/4/2018	<0.005				
3/14/2019	<0.005	<0.005			<0.005
3/15/2019			<0.005	<0.005	
4/4/2019		<0.005	<0.005		
4/5/2019	<0.005			<0.005	<0.005
9/24/2019	<0.005	0.00041 (J)			
9/25/2019			<0.005	<0.005	<0.005
3/3/2020	0.00042 (J)	<0.005	0.00071 (J)	0.0018 (J)	0.0004 (J)
3/26/2020		<0.005			
3/30/2020	0.00066 (J)		0.0004 (J)		
3/31/2020				<0.005	<0.005
9/15/2020					0.00063 (J)
9/16/2020				<0.005	
9/17/2020		<0.005	<0.005		
9/18/2020	<0.005				
2/10/2021			<0.005		
2/11/2021	<0.005			0.00074 (J)	<0.005
2/12/2021		<0.005			
3/16/2021		0.0012 (J)			
3/17/2021	<0.005		<0.005		
3/18/2021				0.00069 (J)	<0.005
8/18/2021	<0.005			<0.005	
8/19/2021		<0.005	<0.005		<0.005
2/8/2022		<0.005	<0.005	<0.005	<0.005
2/9/2022	<0.005				
8/10/2022			<0.005	<0.005	<0.005
8/11/2022	<0.005	<0.005			
1/30/2023				<0.005	
2/1/2023	<0.005	<0.005	<0.005		<0.005
8/13/2023	<0.005	<0.005	<0.005	<0.005	<0.005
2/17/2024	<0.005	<0.005		<0.005	
2/18/2024			<0.005		<0.005
8/8/2024		<0.005		<0.005	
8/9/2024			<0.005		<0.005
8/10/2024	<0.005				
2/16/2025				<0.005	
2/17/2025		<0.005	<0.005		
2/18/2025	<0.005				<0.005

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17	HGWC-18
8/8/2025	<0.005	<0.005	<0.005	<0.005	<0.005
Mean	0.004657	0.004504	0.004547	0.004547	0.004482
Std. Dev.	0.001212	0.001405	0.001306	0.001291	0.001463
Upper Lim.	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00066	0.0012	0.0021	0.0018	0.00063

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-21D	MW-33	MW-34D	MW-35
3/15/2019	<0.005			
4/4/2019	<0.005			
9/25/2019	<0.005			
3/3/2020	<0.005			
4/1/2020	<0.005	0.00069 (J)		
6/17/2020	0.00057 (J)	<0.005		
6/18/2020			0.0059 (J)	<0.005
9/21/2020	<0.005	<0.005		0.00079 (J)
9/23/2020			<0.005	
2/11/2021	<0.005			
2/12/2021		<0.005		
2/15/2021				<0.005
3/18/2021	0.00074 (J)	<0.005		
3/19/2021				0.00083 (J)
8/16/2021			<0.005	
8/18/2021		<0.005		<0.005
8/19/2021	<0.005			
2/8/2022	<0.005	<0.005		<0.005
2/9/2022			<0.005	
8/10/2022		<0.005	<0.005	
8/11/2022	<0.005			<0.005
1/27/2023	<0.005	<0.005		
1/30/2023			<0.005	
2/1/2023				<0.005
8/12/2023	<0.005		<0.005	<0.005
8/13/2023		<0.005		
2/18/2024	<0.005	<0.005	<0.005	
2/19/2024				<0.005
8/9/2024	<0.005	0.0028 (J)		<0.005
8/10/2024			<0.005	
2/16/2025		<0.005		
2/18/2025	<0.005		<0.005	
3/6/2025				<0.005
8/8/2025	<0.005	<0.005	<0.005	<0.005
Mean	0.004517	0.004535	0.005082	0.004355
Std. Dev.	0.001405	0.001252	0.0002714	0.001574
Upper Lim.	0.005	0.005	0.005	0.005
Lower Lim.	0.00074	0.0028	0.005	0.00083

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17	HGWC-18
5/23/2016	<0.25	0.0419 (J)	<0.005	0.0167	
5/24/2016					0.17 (J)
7/12/2016	0.0232	0.0393	<0.005	0.0148	0.168
9/1/2016	0.0248	0.045	<0.005	0.0151	0.18
10/24/2016	0.0253	0.0557			
10/25/2016			<0.005	0.0141	0.188
12/7/2016	0.0269	0.0536	<0.005	0.0141	
12/8/2016					0.206
1/26/2017	0.0294	0.055	<0.005	0.0154	0.195
3/22/2017			<0.005	0.0169	
3/23/2017	0.0311	0.0715			0.223
5/24/2017	0.0279	0.0446	<0.005		
5/25/2017				0.0154	0.209
4/3/2018		0.032	<0.005	0.016	0.19
4/4/2018	0.025				
6/5/2018					0.19
6/6/2018	0.027	0.032	<0.005	0.018	
10/3/2018	0.023	0.051	<0.005	0.016	0.19
3/14/2019	0.025	0.038			0.16
3/15/2019			<0.005	0.017	
4/4/2019		0.035	0.00028 (J)		
4/5/2019	0.021			0.016	0.14
9/24/2019	0.026	0.022			
9/25/2019			<0.005	0.015	0.18
3/3/2020	0.029	0.03	0.00037 (J)	0.016	0.15
3/26/2020		0.022			
3/30/2020	0.028		<0.005		
3/31/2020				0.016	0.16
9/15/2020					0.16
9/16/2020				0.013	
9/17/2020		0.026	<0.005		
9/18/2020	0.027				
2/10/2021			<0.005		0.14
2/11/2021	0.033			0.012	0.14
2/12/2021		0.019			
3/16/2021		0.018			
3/17/2021	0.034		<0.005		
3/18/2021				0.012	0.14
8/18/2021	0.033			0.009	
8/19/2021		0.011	<0.005		0.15
2/8/2022		0.0081	<0.005	0.0066	0.16
2/9/2022	0.038				
8/10/2022			<0.005	0.012	0.16
8/11/2022	0.037	0.0088			
1/30/2023				0.011	
2/1/2023	0.035	0.0091	<0.005		0.11
8/13/2023	0.036	0.0016 (J)	<0.005	0.009	0.14
2/17/2024	0.038	0.0058		0.0036 (J)	
2/18/2024			<0.005		0.15
8/8/2024		0.0024 (J)		0.0045 (J)	
8/9/2024			<0.005		0.091
8/10/2024	0.037				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17	HGWC-18
2/16/2025				<0.005	
2/17/2025		0.007	<0.005		
2/18/2025	0.031				0.061
8/8/2025	0.028	0.0019 (J)	<0.005	0.0044 (J)	0.07
Mean	0.03302	0.02812	0.004666	0.01257	0.1576
Std. Dev.	0.01868	0.01951	0.001226	0.004555	0.03848
Upper Lim.	0.034	0.03724	0.005	0.01494	0.1752
Lower Lim.	0.026	0.019	0.00037	0.01154	0.14

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-21D	MW-33	MW-34D	MW-35	MW-51
3/15/2019	<0.005				
4/4/2019	0.00034 (J)				
9/25/2019	<0.005				
1/22/2020		0.052			
3/3/2020	<0.005				
4/1/2020	<0.005	0.058			
6/17/2020	<0.005	0.053			
6/18/2020			0.011	0.091	
9/21/2020	<0.005	0.047		0.084	
9/23/2020			0.0056		
2/11/2021	<0.005				
2/12/2021		0.055			
2/15/2021				0.095	
3/18/2021	<0.005	0.057			
3/19/2021				0.1	
8/16/2021			0.0093		
8/18/2021		0.054		0.085	0.03
8/19/2021	<0.005				
2/8/2022	<0.005	0.048		0.09	0.031
2/9/2022			0.0065		
8/10/2022		0.046	0.0066		
8/11/2022	<0.005			0.082	0.027
1/27/2023	<0.005	0.034			
1/30/2023			0.0071		
2/1/2023				0.088	0.021 (J)
8/12/2023	<0.005		0.0058	0.082	0.022
8/13/2023		0.061			
2/18/2024	<0.005	0.042	0.0067		
2/19/2024				0.084	0.046
8/9/2024	<0.005	0.068		0.084	0.027
8/10/2024			0.0064		
2/16/2025		0.029			
2/18/2025	<0.005		0.0035 (J)		
3/6/2025				0.082	0.014
8/8/2025	<0.005	0.041	0.0049 (J)	0.048	0.022
Mean	0.004741	0.04967	0.006673	0.08423	0.02667
Std. Dev.	0.001098	0.01029	0.002026	0.0122	0.008944
Upper Lim.	0.005	0.05664	0.008361	0.09214	0.0353
Lower Lim.	0.00034	0.0427	0.004985	0.07808	0.01803

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17	HGWC-18
5/23/2016	0.568	0.171		0.618	
5/24/2016					1.82
7/1/2016			0		
7/12/2016	1.31	0.611	0.182	0.867	1.76
9/1/2016	1.64	0.766	1.23	0.857	1.51
10/24/2016	1.88	0.969			
10/25/2016			1.05	1.11	2.69
12/7/2016	1.35	0.302	1.11	0.964	
12/8/2016					2.21
1/26/2017	2.1	0.626	1.29	0.612	2.26
3/22/2017			0.453	0.437	
3/23/2017	1.17	0.662			1.81
5/24/2017	1 (U)	0.202 (U)	1.05		
5/25/2017				1.21 (U)	1.63
4/3/2018		0.384	0.783	0.409	2.53
4/4/2018	1.72				
6/5/2018					1.91
6/6/2018	1.31	1.32	0.595 (U)	0.772 (U)	
10/3/2018	1.48	0.858 (U)	1.03 (U)	1.08 (U)	2.22
3/14/2019	1.5	0.462 (U)			1.37 (U)
3/15/2019			0.591 (U)	0.917 (U)	
4/4/2019		0.512 (U)	0.96 (U)		
4/5/2019	1.43 (U)			1.07 (U)	2.22
9/24/2019	1.17	0.582 (U)			
9/25/2019			0.643 (U)	1.54	2.77
3/3/2020	1.84	1.43	1.32	1.33	2.35
3/26/2020		0.855 (U)			
3/30/2020	1.08 (U)		0.288 (U)		
3/31/2020				0.591 (U)	2.7
9/15/2020					1.65
9/16/2020				0.295 (U)	
9/17/2020		0.395 (U)	1.1 (U)		
9/18/2020	1.8 (U)				
2/10/2021			0.773 (U)		
2/11/2021	0.73 (U)			0.831 (U)	1.11
2/12/2021		1.65			
3/16/2021		0.801 (U)			
3/17/2021	1.84		0.228 (U)		
3/18/2021				0.856 (U)	1.63
8/18/2021	0.858 (U)			0.548 (U)	
8/19/2021		0.527 (U)	0.668 (U)		1.45
2/8/2022		0.0242 (U)	0.168 (U)	1 (U)	0.93 (U)
2/9/2022	0.346 (U)				
8/10/2022			0.249 (U)	0.361 (U)	1.46
8/11/2022	1.31	0.656 (U)			
1/30/2023				0.5 (U)	
2/1/2023	1.13	0.626 (U)	0.757 (U)		0.871
8/13/2023	0.801 (U)	0.785 (U)	0.281 (U)	0.678 (U)	1.03
2/17/2024	0.439 (U)	0.576 (U)		0.633 (U)	
2/18/2024			0.248 (U)		0.757 (U)
8/8/2024		0.124 (U)		0.721 (U)	
8/9/2024			0.51 (U)		1.12

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17	HGWC-18
8/10/2024	0.844 (U)				
2/16/2025				1.24 (U)	
2/17/2025		0.191 (U)	0.825 (U)		
2/18/2025	0.685 (U)				1.56 (U)
8/8/2025	0.803 (U)	0.337 (U)	0.638 (U)	0 (U)	0.479 (U)
Mean	1.219	0.6216	0.6793	0.7874	1.707
Std. Dev.	0.4714	0.386	0.3814	0.345	0.624
Upper Lim.	1.439	0.8019	0.8575	0.9486	1.999
Lower Lim.	0.9988	0.4412	0.5011	0.6262	1.416

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-21D	MW-33	MW-34D	MW-35	MW-51
3/15/2019	0.972 (U)				
4/4/2019	0.791 (U)				
9/25/2019	0.751 (U)				
3/3/2020	1.94				
4/1/2020	0.758 (U)	2.57			
6/17/2020	0.691 (U)	1.43 (U)			
6/18/2020			1.36	2.02	
9/21/2020	0.436 (U)	2.53		3.85	
9/23/2020			0.563 (U)		
2/11/2021	0.317 (U)				
2/12/2021		2.26			
2/15/2021				1.52	
3/18/2021	0.5 (U)	0.733 (U)			
3/19/2021				0.524 (U)	
8/16/2021			0.693 (U)		
8/18/2021		1.77		1.67	0.973 (U)
8/19/2021	1.17				
2/8/2022	0.463 (U)	0.967 (U)		1.38	0.431 (U)
2/9/2022			0.297 (U)		
8/10/2022		1.52	1.05		
8/11/2022	0.691 (U)			1.71	1.02
1/27/2023	0.256 (U)	1.44 (U)			
1/30/2023			0.689 (U)		
2/1/2023				1.24	0.82 (U)
8/12/2023	0.297 (U)		0.676 (U)	0.897 (U)	0.484 (U)
8/13/2023		0.773 (U)			
2/18/2024	0.127 (U)	0.552 (U)	0.515 (U)		
2/19/2024				1.43	0.995 (U)
8/9/2024	0.526 (U)	0.729 (U)		0.703 (U)	0.478 (U)
8/10/2024			0.59 (U)		
2/16/2025		1.11 (U)			
2/18/2025	0.925 (U)		0.911 (U)		
3/6/2025				1.17 (U)	0.605 (U)
8/8/2025	0.483 (U)	1.2 (U)	0.471 (U)	1.47	1.28 (U)
Mean	0.6719	1.399	0.7105	1.506	0.7873
Std. Dev.	0.4174	0.6713	0.297	0.8172	0.3007
Upper Lim.	0.8662	1.874	0.9579	2.008	1.078
Lower Lim.	0.4115	0.9234	0.463	0.9372	0.497

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17	HGWC-18
5/23/2016	<0.1	<0.1	0.038 (J)	<0.3	
5/24/2016					<0.3
7/12/2016	0.2 (J)	0.09 (J)	0.26 (J)	0.09 (J)	0.54
9/1/2016	0.08 (J)	0.22 (J)	0.42	0.03 (J)	0.49
10/24/2016	0.04 (J)	0.07 (J)			
10/25/2016			0.25 (J)	0.07 (J)	0.58
12/7/2016	0.11 (J)	0.23 (J)	0.23 (J)	0.54	
12/8/2016					0.63
1/26/2017	0.13 (J)	<0.1	0.02 (J)	<0.3	0.71
3/22/2017			0.3	0.07 (J)	
3/23/2017	0.28 (J)	0.12 (J)			0.57
5/24/2017	0.32	0.31	0.46		
5/25/2017				0.42	0.54
10/4/2017	0.52	0.6	<0.1	0.93	0.95
4/3/2018		<0.1	<0.1	<0.3	0.33
4/4/2018	<0.1				
6/5/2018					0.66
6/6/2018	0.25 (J)	0.17 (J)	<0.1	0.23 (J)	
10/3/2018	0.21 (J)	<0.1	<0.1	<0.3	0.32
3/14/2019	0.24 (J)	<0.1			0.88
3/15/2019			<0.1	<0.3	
4/4/2019		0.066 (J)	<0.1		
4/5/2019	0.66			0.16 (J)	0.37
9/24/2019	0.053 (J)	0.12 (J)			
9/25/2019			<0.1	0.081 (J)	0.73
3/3/2020	<0.1	0.064 (J)	<0.1	<0.3	0.34
3/26/2020		<0.1			
3/30/2020	0.092 (J)		0.059 (J)		
3/31/2020				<0.3	0.45
9/15/2020					0.31
9/16/2020				0.058 (J)	
9/17/2020		<0.1	<0.1		
9/18/2020	<0.1				
2/10/2021			0.21		
2/11/2021	0.059 (J)			0.058 (J)	0.71
2/12/2021		0.053 (J)			
3/16/2021		<0.1			
3/17/2021	0.076 (J)		<0.1		
3/18/2021				0.057 (J)	0.64
8/18/2021	<0.1			0.062 (J)	
8/19/2021		<0.1	<0.1		0.31
2/8/2022		<0.1	<0.1	0.055 (J)	0.19
2/9/2022	0.053 (J)				
8/10/2022			0.054 (J)	0.086 (J)	0.3
8/11/2022	0.085 (J)	0.097 (J)			
1/30/2023				0.097 (J)	
2/1/2023	0.094 (J)	0.086 (J)	0.053 (J)		0.21
8/13/2023	0.1	0.12	0.053 (J)	0.081 (J)	0.25
2/17/2024	0.065 (J)	0.064 (J)		0.057 (J)	
2/18/2024			<0.1		0.17
8/8/2024		0.08 (J)		0.066 (J)	
8/9/2024			0.052 (J)		0.28

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17	HGWC-18
8/10/2024	0.19				
2/16/2025				0.05 (J)	
2/17/2025		0.052 (J)	<0.1		
2/18/2025	0.055 (J)				0.067 (J)
8/8/2025	0.08 (J)	0.12	0.051 (J)	0.083 (J)	0.2
Mean	0.1566	0.1287	0.1348	0.1907	0.444
Std. Dev.	0.1421	0.1066	0.1097	0.1954	0.2309
Upper Lim.	0.1528	0.12	0.1033	0.1238	0.5498
Lower Lim.	0.0764	0.086	0.04596	0.05939	0.3383

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-21D	MW-33	MW-34D	MW-35	MW-51
3/15/2019	<0.1				
4/4/2019	0.1 (J)				
9/25/2019	<0.1				
1/22/2020		0.18 (J)			
3/3/2020	<0.1				
4/1/2020	<0.1	0.15 (J)			
6/17/2020	<0.1	0.25			
6/18/2020			0.082 (J)	0.053 (J)	
9/21/2020	<0.1	0.14		<0.1	
9/23/2020			<0.1		
2/11/2021	<0.1				
2/12/2021		0.25			
2/15/2021				0.093 (J)	
3/18/2021	<0.1	0.4			
3/19/2021				0.082 (J)	
8/16/2021			0.066 (J)		
8/18/2021		0.16		0.052 (J)	0.072 (J)
8/19/2021	<0.1				
2/8/2022	<0.1	0.14		0.065 (J)	0.078 (J)
2/9/2022			0.051 (J)		
8/10/2022		0.21	0.081 (J)		
8/11/2022	0.056 (J)			0.088 (J)	0.11
1/27/2023	0.05 (J)	0.087 (J)			
1/30/2023			0.089 (J)		
2/1/2023				0.1	0.18
8/12/2023	<0.1		0.062 (J)	0.077 (J)	0.1
8/13/2023		0.22			
2/18/2024	<0.1	0.088 (J)	<0.1		
2/19/2024				0.16	0.12
8/9/2024	0.078 (J)	0.39		0.13	0.15
8/10/2024			0.1		
2/16/2025		0.089 (J)			
2/18/2025	<0.1		<0.1		
3/6/2025				0.066 (J)	0.078 (J)
8/8/2025	0.061 (J)	0.2	0.087 (J)	0.18	0.13
Mean	0.09139	0.1969	0.08345	0.092	0.1131
Std. Dev.	0.01733	0.09666	0.01722	0.04134	0.03624
Upper Lim.	0.1	0.2624	0.08987	0.1227	0.1481
Lower Lim.	0.078	0.1314	0.06463	0.06126	0.07812

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17	HGWC-18
5/23/2016	0.00182 (J)	<0.001	<0.001	<0.001	
5/24/2016					0.00154 (J)
7/12/2016	0.0015 (J)	<0.001	<0.001	<0.001	0.0012 (J)
9/1/2016	0.0016 (J)	<0.001	<0.001	<0.001	0.0014 (J)
10/24/2016	0.0016 (J)	<0.001			
10/25/2016			<0.001	<0.001	0.0015 (J)
12/7/2016	0.0018 (J)	<0.001	<0.001	<0.001	
12/8/2016					0.0017 (J)
1/26/2017	0.002 (J)	<0.001	0.0001 (J)	<0.001	0.0013 (J)
3/22/2017			0.0002 (J)	0.0001 (J)	
3/23/2017	0.0019 (J)	0.001 (J)			0.001 (J)
5/24/2017	0.0016 (J)	0.0001 (J)	0.0001 (J)		
5/25/2017				<0.001	0.0012 (J)
4/3/2018		<0.001	<0.001	<0.001	<0.001
4/4/2018	<0.001				
3/14/2019	0.0014 (J)	<0.001			0.0015 (J)
3/15/2019			<0.001	<0.001	
4/4/2019		7.2E-05 (J)	0.00016 (J)		
4/5/2019	0.0012 (J)			7.6E-05 (J)	0.0015 (J)
9/24/2019	0.0013 (J)	0.0002 (J)			
9/25/2019			<0.001	8.9E-05 (J)	0.0015 (J)
3/3/2020	0.0017 (J)	5.3E-05 (J)	0.00016 (J)	0.00013 (J)	0.0013 (J)
3/26/2020		<0.001			
3/30/2020	0.0015 (J)		7.3E-05 (J)		
3/31/2020				7.7E-05 (J)	0.0014 (J)
9/15/2020					0.0014 (J)
9/16/2020				6.5E-05 (J)	
9/17/2020		<0.001	7.8E-05 (J)		
9/18/2020	0.0012 (J)				
2/10/2021			9.4E-05 (J)		
2/11/2021	0.0015 (J)			0.00018 (J)	0.00098 (J)
2/12/2021		<0.001			
3/16/2021		<0.001			
3/17/2021	0.0019		5.8E-05 (J)		
3/18/2021				8.8E-05 (J)	0.00096 (J)
8/18/2021	0.0015			<0.001	
8/19/2021		<0.001	<0.001		0.0013
2/8/2022		<0.001	<0.001	<0.001	0.0009 (J)
2/9/2022	0.0014				
8/10/2022			<0.001	<0.001	0.0011
8/11/2022	<0.001	<0.001			
1/30/2023				<0.001	
2/1/2023	0.0011	<0.001	<0.001		<0.001
8/13/2023	0.00079 (J)	<0.001	<0.001	0.00049 (J)	0.00075 (J)
2/17/2024	0.0012	<0.001		<0.001	
2/18/2024			<0.001		0.0011
8/8/2024		<0.001		0.00032 (J)	
8/9/2024			<0.001		0.0007 (J)
8/10/2024	0.0012				
2/16/2025				<0.001	
2/17/2025		<0.001	<0.001		
2/18/2025	0.00097 (J)				0.00038 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17	HGWC-18
8/8/2025	0.0017	<0.001	<0.001	<0.001	0.00048 (J)
Mean	0.001399	0.0008625	0.0006932	0.0006775	0.001119
Std. Dev.	0.0003987	0.0003296	0.0004309	0.0004242	0.0003786
Upper Lim.	0.001594	0.001	0.001	0.001	0.001303
Lower Lim.	0.001205	0.001	0.00016	0.00013	0.0009343

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-21D	MW-33	MW-34D	MW-35
3/15/2019	<0.001			
4/4/2019	<0.001			
9/25/2019	<0.001			
3/3/2020	4.7E-05 (J)			
4/1/2020	4.8E-05 (J)	0.0017 (J)		
6/17/2020	<0.001	0.0017 (J)		
6/18/2020			0.00087 (J)	0.00016 (J)
9/21/2020	<0.001	0.0017 (J)		0.00099 (J)
9/23/2020			<0.001	
2/11/2021	0.00066 (J)			
2/12/2021		0.0018 (J)		
2/15/2021				0.00055 (J)
3/18/2021	7.3E-05 (J)	0.0017		
3/19/2021				0.00066 (J)
8/16/2021			<0.001	
8/18/2021		0.0016		<0.001
8/19/2021	<0.001			
2/8/2022	<0.001	0.0014		<0.001
2/9/2022			<0.001	
8/10/2022		<0.001	<0.001	
8/11/2022	<0.001			<0.001
1/27/2023	<0.001	<0.001		
1/30/2023			<0.001	
2/1/2023				<0.001
8/12/2023	<0.001		<0.001	0.00035 (J)
8/13/2023		0.0011		
2/18/2024	<0.001	0.00084 (J)	<0.001	
2/19/2024				0.0006 (J)
8/9/2024	<0.001	0.0023		0.00068 (J)
8/10/2024			<0.001	
2/16/2025		0.00041 (J)		
2/18/2025	<0.001		<0.001	
3/6/2025				0.00035 (J)
8/8/2025	<0.001	0.00099 (J)	<0.001	<0.001
Mean	0.0008238	0.001303	0.0009882	0.0007185
Std. Dev.	0.0003622	0.0005824	3.92E-05	0.0003029
Upper Lim.	0.001	0.001715	0.001	0.001
Lower Lim.	0.00066	0.0008903	0.001	0.00035

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17	HGWC-18
5/23/2016	<0.002	<0.002	<0.002	<0.002	
5/24/2016					0.0142 (J)
7/12/2016	<0.002	<0.002	0.0037 (J)	<0.002	0.0141 (J)
9/1/2016	<0.002	0.0021 (J)	0.0033 (J)	<0.002	0.0158 (J)
10/24/2016	<0.002	<0.002			
10/25/2016			0.0029 (J)	<0.002	0.016 (J)
12/7/2016	<0.002	<0.002	0.0029 (J)	<0.002	
12/8/2016					0.0144 (J)
1/26/2017	<0.002	<0.002	0.0028 (J)	<0.002	0.0136 (J)
3/22/2017			0.0025 (J)	<0.002	
3/23/2017	<0.002	0.0016 (J)			0.0151 (J)
5/24/2017	<0.002	0.0029 (J)	0.0029 (J)		
5/25/2017				0.0011 (J)	0.0154 (J)
4/3/2018		0.0026 (J)	0.0028 (J)	<0.002	0.013 (J)
4/4/2018	<0.002				
6/5/2018					0.013 (J)
6/6/2018	<0.002	0.0013 (J)	0.0031 (J)	<0.002	
10/3/2018	<0.002	0.0017 (J)	0.0026 (J)	<0.002	0.015 (J)
3/14/2019	<0.002	<0.002			0.011 (J)
3/15/2019			0.0041 (J)	0.0011 (J)	
4/4/2019		0.0009 (J)	0.0032 (J)		
4/5/2019	<0.002			0.00074 (J)	0.0084 (J)
9/24/2019	<0.002	0.0012 (J)			
9/25/2019			0.0038 (J)	0.0011 (J)	0.015 (J)
3/3/2020	<0.002	0.0084 (J)	0.0047 (J)	0.0012 (J)	0.012 (J)
3/26/2020		0.0061 (J)			
3/30/2020	<0.002		0.0041 (J)		
3/31/2020				0.0009 (J)	0.012 (J)
9/15/2020					0.014 (J)
9/16/2020				0.0012 (J)	
9/17/2020		0.0094 (J)	0.0043 (J)		
9/18/2020	<0.002				
2/10/2021			0.0038 (J)		
2/11/2021	<0.002			0.0013 (J)	0.011 (J)
2/12/2021		0.036			
3/16/2021		0.032			
3/17/2021	<0.002		0.0048 (J)		
3/18/2021				0.0014 (J)	0.013 (J)
8/18/2021	<0.002			0.0012 (J)	
8/19/2021		0.0058 (J)	0.0042 (J)		0.013 (J)
2/8/2022		0.014 (J)	0.0034 (J)	0.0014 (J)	0.01 (J)
2/9/2022	<0.002				
8/10/2022			0.0032 (J)	0.0014 (J)	0.012 (J)
8/11/2022	<0.002	0.0025 (J)			
1/30/2023				0.0014 (J)	
2/1/2023	<0.002	0.016 (J)	0.0036 (J)		0.0093 (J)
8/13/2023	<0.002	0.0047 (J)	0.003 (J)	0.0018 (J)	0.012 (J)
2/17/2024	0.0029 (J)	0.014 (J)		<0.002	
2/18/2024			0.003 (J)		0.0098 (J)
8/8/2024		0.0042 (J)		0.0017 (J)	
8/9/2024			0.0028 (J)		0.011 (J)
8/10/2024	<0.002				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17	HGWC-18
2/16/2025				0.00123 (J)	
2/17/2025		0.0146 (J)	0.00272 (J)		
2/18/2025	0.000675 (J)				0.00876 (J)
8/8/2025	0.00078 (J)	0.00586	0.00312	0.00146 (J)	0.00964
Mean	0.001941	0.007138	0.003298	0.001558	0.01255
Std. Dev.	0.0003828	0.008856	0.0007774	0.000414	0.002234
Upper Lim.	0.002	0.005806	0.003661	0.002	0.0136
Lower Lim.	0.00078	0.002149	0.002935	0.0012	0.01151

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-21D	MW-33	MW-34D	MW-35	MW-51
3/15/2019	0.025 (J)				
4/4/2019	0.019 (J)				
9/25/2019	0.024 (J)				
3/3/2020	0.026 (J)				
4/1/2020	0.026 (J)	0.0011 (J)			
6/17/2020	0.023 (J)	0.00097 (J)			
6/18/2020			0.0021 (J)	0.0046 (J)	
9/21/2020	0.022 (J)	0.00086 (J)		0.0036 (J)	
9/23/2020			0.0011 (J)		
2/11/2021	0.021 (J)				
2/12/2021		0.0011 (J)			
2/15/2021				0.0043 (J)	
3/18/2021	0.026 (J)	0.0012 (J)			
3/19/2021				0.0045 (J)	
8/16/2021			0.001 (J)		
8/18/2021		0.00097 (J)		0.0036 (J)	0.0022 (J)
8/19/2021	0.022 (J)				
2/8/2022	0.022 (J)	0.001 (J)		0.0039 (J)	0.001 (J)
2/9/2022			0.0022 (J)		
8/10/2022		0.0009 (J)	0.0015 (J)		
8/11/2022	0.022 (J)			<0.002	0.0014 (J)
1/27/2023	0.018 (J)	<0.002			
1/30/2023			0.0013 (J)		
2/1/2023				0.0034 (J)	0.0015 (J)
8/12/2023	0.015 (J)		0.0013 (J)	0.0031 (J)	0.00098 (J)
8/13/2023		0.00077 (J)			
2/18/2024	0.012 (J)	<0.002	<0.002		
2/19/2024				0.0031 (J)	0.0017 (J)
8/9/2024	0.011 (J)	0.0022 (J)		0.0034 (J)	<0.002
8/10/2024			<0.002		
2/16/2025		0.000839 (J)			
2/18/2025	0.0119 (J)		0.0023 (J)		
3/6/2025				0.00319 (J)	0.00184 (J)
8/8/2025	0.00994	0.000612 (J)	0.00123 (J)	0.00191 (J)	0.00177 (J)
Mean	0.01977	0.001037	0.001639	0.003354	0.001488
Std. Dev.	0.005509	0.000366	0.0004837	0.0009986	0.0004327
Upper Lim.	0.02326	0.0012	0.001867	0.004096	0.001906
Lower Lim.	0.01725	0.000839	0.001089	0.002611	0.00107

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	HGWC-18	MW-35	MW-51
5/23/2016	<0.0002			
5/24/2016		<0.0002		
7/12/2016	<0.0002	<0.0002		
9/1/2016	<0.0002	6E-05 (J)		
10/24/2016	<0.0002			
10/25/2016		4E-05 (J)		
12/7/2016	<0.0002			
12/8/2016		<0.0002		
1/26/2017	<0.0002	8E-05 (J)		
3/23/2017	<0.0002	9E-05 (J)		
5/24/2017	<0.0002			
5/25/2017		8E-05 (J)		
4/3/2018	<0.0002	<0.0002		
3/14/2019	<0.0002	<0.0002		
9/24/2019	0.024			
9/25/2019		<0.0002		
3/3/2020	<0.0002	<0.0002		
2/11/2021		<0.0002		
2/12/2021	<0.0002			
2/15/2021			<0.0002	
2/8/2022	<0.0002	<0.0002	0.00014 (J)	<0.0002
8/10/2022		<0.0002		
8/11/2022	<0.0002		0.00014 (J)	0.00013 (J)
2/1/2023	<0.0002	<0.0002	0.00084	<0.0002
8/12/2023			<0.0002	<0.0002
8/13/2023	<0.0002	<0.0002		
2/17/2024	<0.0002			
2/18/2024		<0.0002		
2/19/2024			<0.0002	<0.0002
8/8/2024	<0.0002			
8/9/2024		<0.0002	<0.0002	<0.0002
2/17/2025	<0.0002			
2/18/2025		<0.0002		
3/6/2025			0.00035	<0.0002
8/8/2025	<0.0002	<0.0002	<0.0002	<0.0002
Mean	0.001333	0.000169	0.0002744	0.0001912
Std. Dev.	0.005194	5.744E-05	0.0002206	2.475E-05
Upper Lim.	0.024	0.0002	0.00084	0.0002
Lower Lim.	0.0002	9E-05	0.00014	0.00013

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-15	MW-21D
5/23/2016	<0.01	
7/12/2016	0.0007 (J)	
9/1/2016	<0.01	
10/24/2016	<0.01	
12/7/2016	<0.01	
1/26/2017	<0.01	
3/23/2017	<0.01	
5/24/2017	<0.01	
4/3/2018	<0.01	
3/14/2019	<0.01	
3/15/2019		0.045
4/4/2019	<0.01	0.033
9/24/2019	<0.01	
9/25/2019		0.038
3/3/2020	<0.01	0.025
3/26/2020	<0.01	
4/1/2020		0.024
6/17/2020		0.019
9/17/2020	<0.01	
9/21/2020		0.017
2/11/2021		0.016
2/12/2021	<0.01	
3/16/2021	<0.01	
3/18/2021		0.016
8/19/2021	<0.01	0.018
2/8/2022	<0.01	0.016
8/11/2022	<0.01	0.023
1/27/2023		0.028
2/1/2023	<0.01	
8/12/2023		0.021
8/13/2023	<0.01	
2/17/2024	<0.01	
2/18/2024		0.015
8/8/2024	<0.01	
8/9/2024		0.013
2/17/2025	<0.01	
2/18/2025		0.0098 (J)
8/8/2025	<0.01	0.011
Mean	0.009642	0.02154
Std. Dev.	0.001824	0.009428
Upper Lim.	0.01	0.02725
Lower Lim.	0.0007	0.01584

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17	HGWC-18
5/23/2016	0.017	<0.005	<0.005	<0.005	
5/24/2016					<0.2
7/12/2016	0.0146	<0.005	<0.005	<0.005	0.036
9/1/2016	0.0137	<0.005	<0.005	0.0014 (J)	0.0347
10/24/2016	0.0135	0.0012 (J)			
10/25/2016			<0.005	<0.005	0.0282
12/7/2016	0.01 (J)	0.0041 (J)	<0.005	0.0023 (J)	
12/8/2016					0.0373
1/26/2017	0.0214	<0.005	<0.005	<0.005	0.0385
3/22/2017			<0.005	<0.005	
3/23/2017	0.0167	0.0016 (J)			0.0414
5/24/2017	0.0083 (J)	<0.005	<0.005		
5/25/2017				<0.005	0.019
4/3/2018		<0.005	<0.005	<0.005	0.029
4/4/2018	0.012				
6/5/2018					0.038
6/6/2018	0.014	<0.005	<0.005	<0.005	
10/3/2018	0.0056 (J)	<0.005	<0.005	<0.005	0.017
3/14/2019	0.0048 (J)	<0.005			0.016
3/15/2019			<0.005	<0.005	
4/4/2019		0.00021 (J)	8.9E-05 (J)		
4/5/2019	0.00091 (J)			9.3E-05 (J)	0.0018 (J)
9/24/2019	0.0064 (J)	<0.005			
9/25/2019			<0.005	<0.005	0.02
3/3/2020	0.0045 (J)	<0.005	<0.005	<0.005	0.014
3/26/2020		<0.005			
3/30/2020	0.0049 (J)		<0.005		
3/31/2020				<0.005	0.019
9/15/2020					0.059
9/16/2020				<0.005	
9/17/2020		<0.005	<0.005		
9/18/2020	0.0045 (J)				
2/10/2021			<0.005		
2/11/2021	0.0072 (J)			<0.005	0.023
2/12/2021		<0.005			
3/16/2021		<0.005			
3/17/2021	0.01 (J)		<0.005		
3/18/2021				<0.005	0.019 (J)
8/18/2021	0.0077			<0.005	
8/19/2021		<0.005	<0.005		0.01
2/8/2022		<0.005	<0.005	<0.005	0.0082
2/9/2022	0.0047 (J)				
8/10/2022			<0.005	<0.005	0.0096
8/11/2022	0.0037 (J)	<0.005			
1/30/2023				<0.005	
2/1/2023	0.0036 (J)	<0.005	<0.005		0.0054
8/13/2023	0.0038 (J)	<0.005	<0.005	<0.005	0.0085
2/17/2024	0.0056	<0.005		<0.005	
2/18/2024			<0.005		0.013
8/8/2024		<0.005		<0.005	
8/9/2024			<0.005		0.0022 (J)
8/10/2024	0.003 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-16	HGWC-17	HGWC-18
2/16/2025				0.002 (J)	
2/17/2025		<0.005	0.0015 (J)		
2/18/2025	0.0096				0.0054
8/8/2025	0.0035 (J)	<0.005	0.0015 (J)	0.0014 (J)	0.0026 (J)
Mean	0.0084	0.00454	0.004575	0.004364	0.02342
Std. Dev.	0.00517	0.001274	0.00127	0.001427	0.02074
Upper Lim.	0.01082	0.005	0.005	0.005	0.0287
Lower Lim.	0.005984	0.0041	0.0015	0.0023	0.01231

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-33	MW-34D	MW-35	MW-51
4/1/2020	0.011			
6/17/2020	0.014			
6/18/2020		0.0025 (J)	0.014	
9/21/2020	0.041		0.037	
9/23/2020		<0.005		
2/12/2021	0.011			
2/15/2021			0.01	
3/18/2021	0.028			
3/19/2021			0.016 (J)	
8/16/2021		<0.005		
8/18/2021	0.014		0.014	0.004 (J)
2/8/2022	0.0078		0.0083	<0.005
2/9/2022		<0.005		
8/10/2022	0.007 (J)	<0.005		
8/11/2022			0.0089 (J)	0.0023 (J)
1/27/2023	0.015			
1/30/2023		0.0016 (J)		
2/1/2023			0.0063	0.0021 (J)
8/12/2023		<0.005	0.0058	<0.005
8/13/2023	0.0065			
2/18/2024	0.011	<0.005		
2/19/2024			0.0057	0.0019 (J)
8/9/2024	0.0056		0.0053	0.0014 (J)
8/10/2024		0.001 (J)		
2/16/2025	0.01			
2/18/2025		0.0049 (J)		
3/6/2025			0.0064	0.0068
8/8/2025	0.0062	0.0032 (J)	0.0057	0.0036 (J)
Mean	0.01344	0.003927	0.01103	0.003567
Std. Dev.	0.009765	0.001562	0.008615	0.001802
Upper Lim.	0.0169	0.005	0.016	0.004566
Lower Lim.	0.007555	0.0016	0.0057	0.001478

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-17	HGWC-18	MW-33
5/23/2016	0.000306 (J)	<0.0005	<0.0005		
5/24/2016				<0.0005	
7/12/2016	0.0003 (J)	<0.0005	0.0001 (J)	0.0002 (J)	
9/1/2016	0.0003 (J)	<0.0005	<0.0005	<0.0005	
10/24/2016	0.0004 (J)	<0.0005			
10/25/2016			<0.0005	<0.0005	
12/7/2016	0.0003 (J)	<0.0005	<0.0005		
12/8/2016				<0.0005	
1/26/2017	0.0003 (J)	<0.0005	<0.0005	<0.0005	
3/22/2017			0.0001 (J)		
3/23/2017	0.0003 (J)	<0.0005		0.0002 (J)	
5/24/2017	0.0003 (J)	<0.0005			
5/25/2017			0.0001 (J)	0.0002 (J)	
4/3/2018		<0.0005	<0.0005	0.00014 (J)	
4/4/2018	0.00028 (J)				
6/5/2018				0.00016 (J)	
6/6/2018	0.00029 (J)	<0.0005	<0.0005		
10/3/2018	0.00029 (J)	<0.0005	<0.0005	<0.0005	
3/14/2019	0.00028 (J)	<0.0005		<0.0005	
3/15/2019			<0.0005		
4/4/2019		<0.0005			
4/5/2019	0.00028 (J)		0.00013 (J)	0.00014 (J)	
9/24/2019	0.0003 (J)	<0.0005			
9/25/2019			0.00012 (J)	0.00019 (J)	
3/3/2020	0.00026 (J)	<0.0005	0.00011 (J)	0.00013 (J)	
3/26/2020		<0.0005			
3/30/2020	0.00028 (J)				
3/31/2020			0.00014 (J)	0.00015 (J)	
4/1/2020					0.00029 (J)
6/17/2020					0.00028 (J)
9/15/2020				0.00016 (J)	
9/16/2020			<0.0005		
9/17/2020		<0.0005			
9/18/2020	0.00028 (J)				
9/21/2020					0.00029 (J)
2/11/2021	0.00026 (J)		<0.0005	<0.0005	
2/12/2021		<0.0005			0.00025 (J)
3/16/2021		<0.0005			
3/17/2021	0.00034 (J)				
3/18/2021			<0.0005	0.00016 (J)	0.00031 (J)
8/18/2021	0.00027 (J)		<0.0005		0.0004 (J)
8/19/2021		<0.0005		0.0002 (J)	
2/8/2022		<0.0005	<0.0005	<0.0005	0.00025 (J)
2/9/2022	0.00025 (J)				
8/10/2022			<0.0005	<0.0005	<0.001
8/11/2022	0.00024 (J)	<0.0005			
1/27/2023					0.00021 (J)
1/30/2023			0.00025 (J)		
2/1/2023	0.00047 (J)	0.00022 (J)		<0.0005	
8/13/2023	0.00026 (J)	<0.0005	<0.0005	<0.0005	0.00022 (J)
2/17/2024	<0.001	<0.0005	<0.0005		
2/18/2024				<0.0005	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	HGWC-14	HGWC-15	HGWC-17	HGWC-18	MW-33
8/8/2024		<0.0005	<0.0005		
8/9/2024				<0.0005	<0.001
8/10/2024	<0.001				
2/16/2025			<0.0005		<0.001
2/17/2025		<0.0005			
2/18/2025	0.00029 (J)			<0.0005	
8/8/2025	0.00027 (J)	<0.0005	<0.0005	<0.0005	0.00023 (J)
Mean	0.0003106	0.00049	0.0003946	0.0003582	0.0004807
Std. Dev.	7.003E-05	5.292E-05	0.0001716	0.0001676	0.0003439
Upper Lim.	0.000306	0.0005	0.0005	0.0005	0.001
Lower Lim.	0.00027	0.00022	0.00025	0.00019	0.00023

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 10/20/2025 6:24 PM View: Confidence Interval

Plant Hammond Client: Southern Company Data: Hammond AP2

	MW-34D	MW-35
6/18/2020	0.00015 (J)	0.00013 (J)
9/21/2020		<0.0005
9/23/2020	<0.0005	
2/15/2021		<0.0005
3/19/2021		<0.0005
8/16/2021	<0.0005	
8/18/2021		<0.0005
2/8/2022		<0.0005
2/9/2022	<0.0005	
8/10/2022	<0.0005	
8/11/2022		<0.0005
1/30/2023	<0.0005	
2/1/2023		<0.0005
8/12/2023	<0.0005	<0.0005
2/18/2024	<0.0005	
2/19/2024		<0.0005
8/9/2024		<0.0005
8/10/2024	<0.0005	
2/18/2025	<0.0005	
3/6/2025		<0.0005
8/8/2025	<0.0005	<0.0005
Mean	0.0004682	0.0004715
Std. Dev.	0.0001055	0.0001026
Upper Lim.	0.0005	0.0005
Lower Lim.	0.0005	0.00013

ND substitution: RL or RL/2 if <15% NDs.

FIGURE I.

Appendix IV Trend Tests - Confidence Interval Exceedances - Significant Results

Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 10/20/2025, 6:28 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	**HGWA-4 (bg)**	**0**	**-131**	**-101**	**Yes**	**28**	**64.29**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**HGWC-18**	**-0.01046**	**-239**	**-106**	**Yes**	**29**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**MW-35**	**-0.002862**	**-42**	**-34**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - Confidence Interval Exceedances - All Results

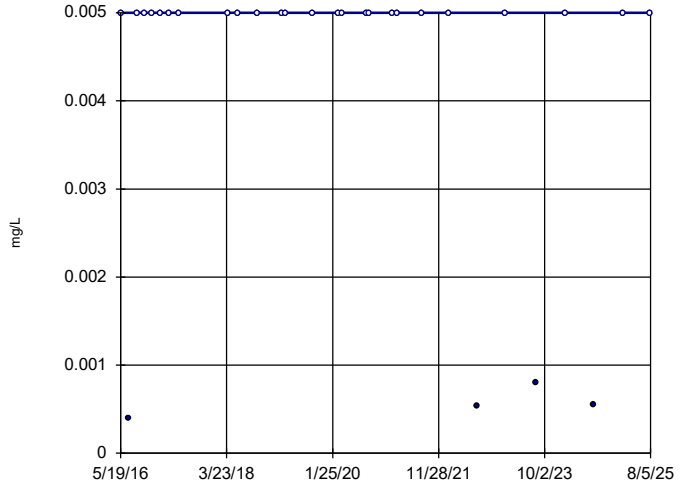
Plant Hammond Client: Southern Company Data: Hammond AP2 Printed 10/20/2025, 6:28 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	HGWA-1 (bg)	0	-30	-106	No	29	86.21	n/a	n/a	0.05	NP
Cobalt (mg/L)	HGWA-2 (bg)	0.0003566	40	106	No	29	0	n/a	n/a	0.05	NP
Cobalt (mg/L)	HGWA-3 (bg)	0	0	106	No	29	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	**HGWA-4 (bg)**	**0**	**-131**	**-101**	**Yes**	**28**	**64.29**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	HGWA-5 (bg)	0	-1	-101	No	28	32.14	n/a	n/a	0.05	NP
Cobalt (mg/L)	HGWA-6 (bg)	0	-23	-101	No	28	96.43	n/a	n/a	0.05	NP
Cobalt (mg/L)	HGWA-42D (bg)	0	1	41	No	15	86.67	n/a	n/a	0.05	NP
Cobalt (mg/L)	HGWA-43D (bg)	0	0	41	No	15	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	HGWA-44D (bg)	0	0	41	No	15	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	**HGWC-18**	**-0.01046**	**-239**	**-106**	**Yes**	**29**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	MW-33	-0.002621	-29	-41	No	15	0	n/a	n/a	0.05	NP
Cobalt (mg/L)	**MW-35**	**-0.002862**	**-42**	**-34**	**Yes**	**13**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-1 (bg)



n = 29

Slope = 0 units per year.

Mann-Kendall statistic = -30
critical = -106

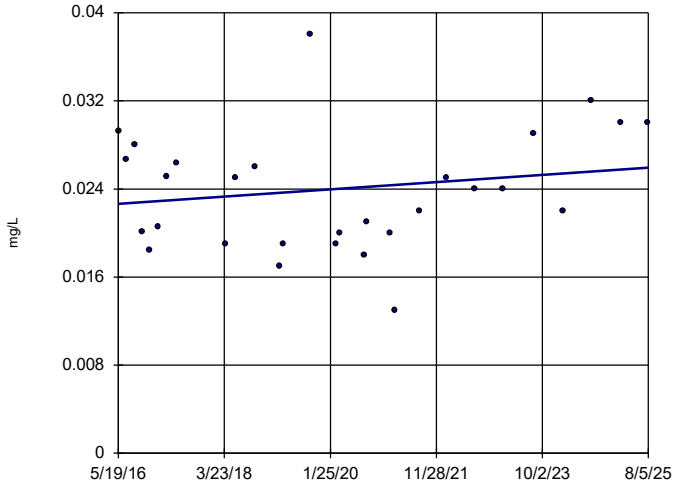
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/20/2025 6:26 PM View: Appendix IV Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWA-2 (bg)



n = 29

Slope = 0.0003566 units per year.

Mann-Kendall statistic = 40
critical = 106

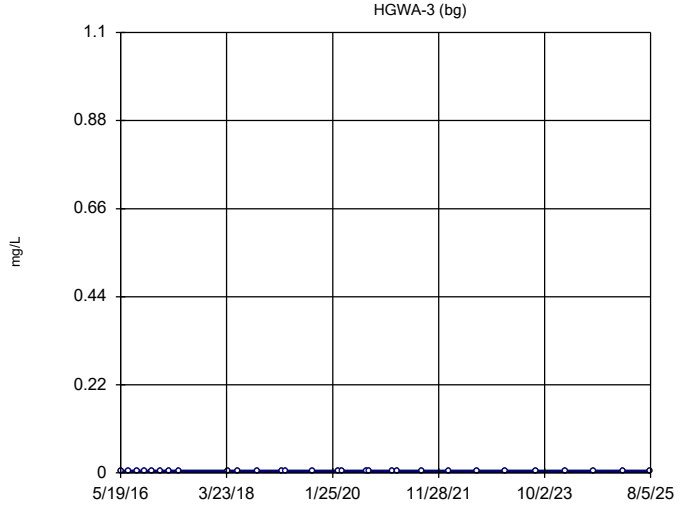
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/20/2025 6:26 PM View: Appendix IV Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-3 (bg)



n = 29

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 106

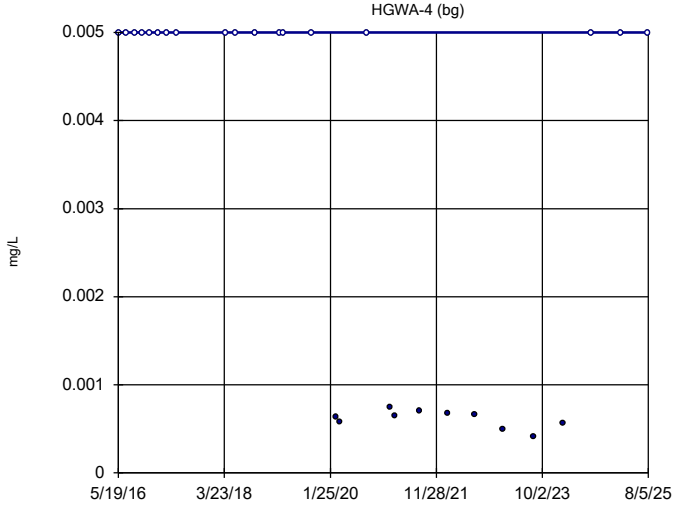
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/20/2025 6:26 PM View: Appendix IV Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-4 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = -131
critical = -101

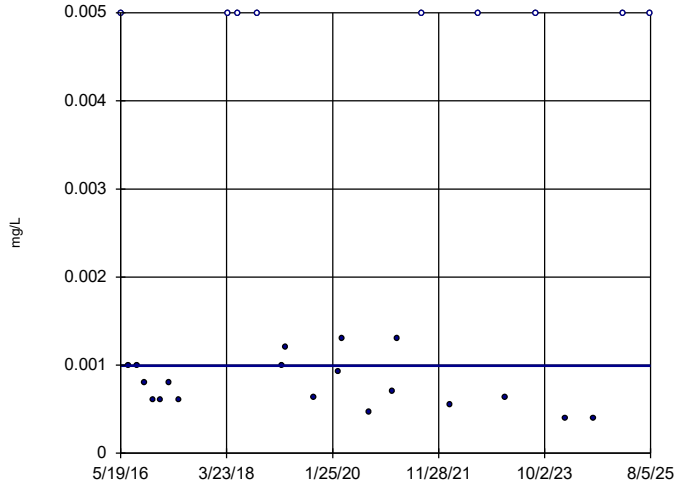
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/20/2025 6:26 PM View: Appendix IV Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-5 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = -1
critical = -101

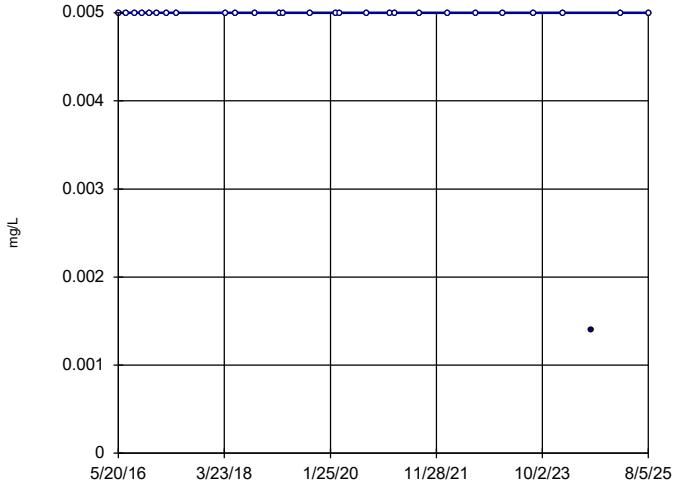
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/20/2025 6:26 PM View: Appendix IV Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-6 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = -23
critical = -101

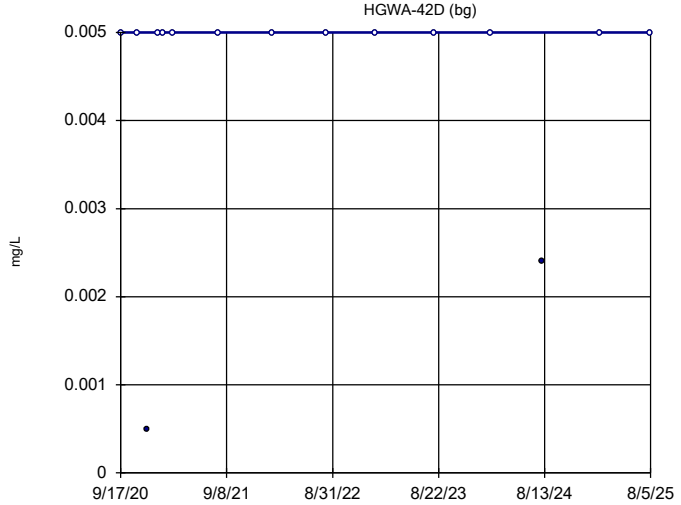
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/20/2025 6:26 PM View: Appendix IV Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-42D (bg)



n = 15

Slope = 0 units per year.

Mann-Kendall statistic = 1
critical = 41

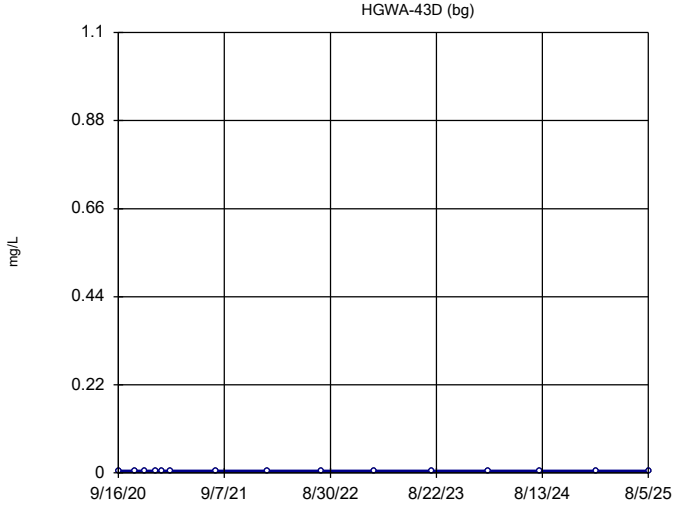
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/20/2025 6:26 PM View: Appendix IV Trend Test
Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-43D (bg)



n = 15

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 41

Trend not significant at 95% confidence level (α = 0.025 per tail).

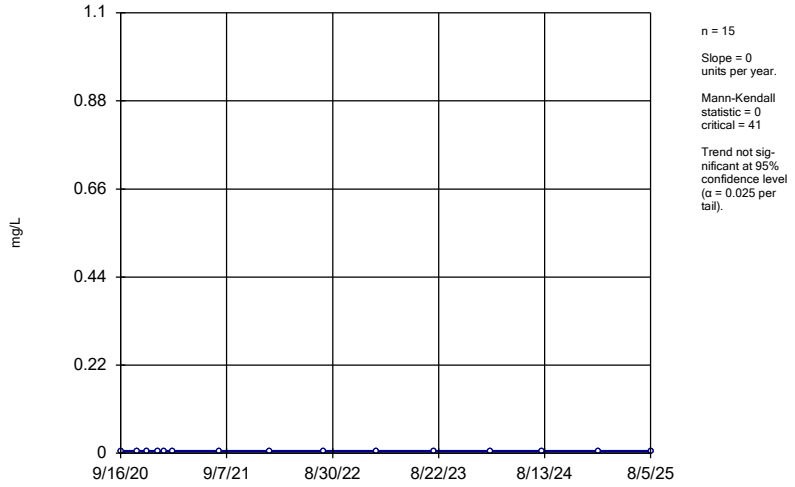
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Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

HGWA-44D (bg)



n = 15

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 41

Trend not significant at 95% confidence level (α = 0.025 per tail).

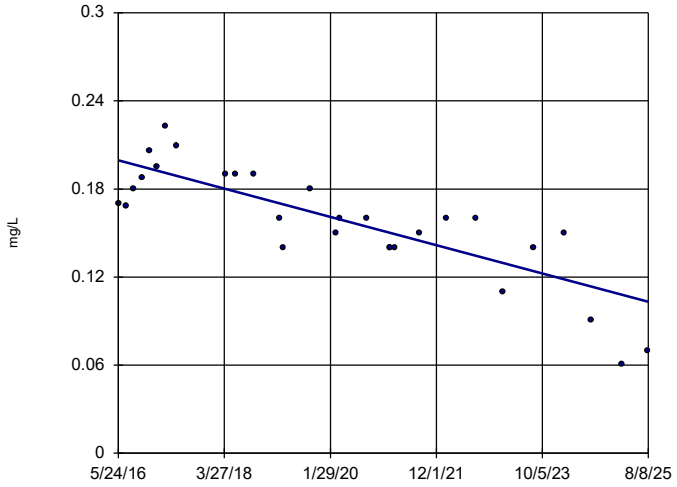
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Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

HGWC-18



n = 29

Slope = -0.01046 units per year.

Mann-Kendall statistic = -239 critical = -106

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

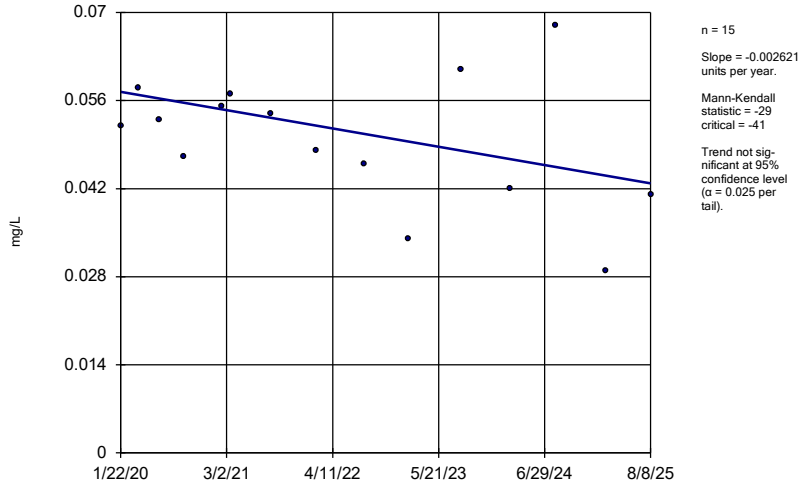
Constituent: Cobalt Analysis Run 10/20/2025 6:26 PM View: Appendix IV Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-33



n = 15

Slope = -0.002621 units per year.

Mann-Kendall statistic = -29 critical = -41

Trend not significant at 95% confidence level (α = 0.025 per tail).

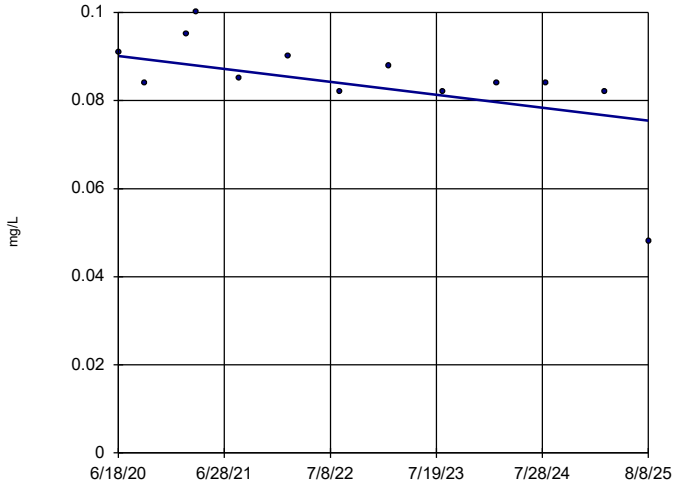
Constituent: Cobalt Analysis Run 10/20/2025 6:26 PM View: Appendix IV Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

Sanitas™ v.10.1.01 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-35



n = 13

Slope = -0.002862 units per year.

Mann-Kendall statistic = -42 critical = -34

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/20/2025 6:26 PM View: Appendix IV Trend Test

Plant Hammond Client: Southern Company Data: Hammond AP2

APPENDIX D

Pilot Study Summary Report

Prepared for

Georgia Power Company
241 Ralph McGill Blvd NE
Atlanta, Georgia 30308

PILOT STUDY SUMMARY REPORT

PILOT TEST NO. UPT000068
PLANT HAMMOND ASH POND 2 (AP-2)

Prepared by

Geosyntec consultants

engineers | scientists | innovators

1255 Roberts Boulevard, Suite 200
Kennesaw, Georgia 30144

Project Number GW6581G

January 2025

CERTIFICATION STATEMENT

I hereby certify that this *Pilot Study Summary Report* was prepared by, or under the direct supervision of, a Qualified Groundwater Scientist, in accordance with the Georgia Environmental Protection Division Rules of Solid Waste Management. According to 391-3-4-.01, a Qualified Groundwater Scientist is "a professional engineer or geologist registered to practice in Georgia who has received a baccalaureate or post-graduate degree in the natural sciences or engineering and has sufficient training and experience in groundwater hydrology and related fields that enable individuals to make sound professional judgments regarding groundwater monitoring, contaminant fate and transport, and corrective action." This report was developed in compliance with the Georgia Rules of Solid Waste Management, Chapter 391-3-4.10.



_____ August 29, 2025

Whitney B. Law — Date

Georgia Professional Engineer No. 36641

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LIST OF ACRONYMS AND ABBREVIATIONS

ACM	Assessment of Corrective Measures
AP-2	Ash Pond 2
Cascade	Cascade Drilling, Inc.
CCR	coal combustion residual
CFR	Code of Federal Regulations
CSM	conceptual site model
Co	cobalt
EPD	Georgia Environmental Protection Division
ft/day	feet per day
g/L	grams per liter
gal	gallons
gpm	gallons per minute
Georgia Power	Georgia Power Company
Geosyntec	Geosyntec Consultants, Inc.
gpd	gallons per day
GWPS	Groundwater Protection Standard
HCO_3	bicarbonate
IBC	intermediate bulk container
Kh	horizontal hydraulic conductivity
MNA	monitored natural attenuation
$NaHCO_3$	sodium bicarbonate
PSPIER	Pilot Study Post-Injection Event Report
ROI	radius of influence
SSLs	statistically significant levels
UIC	Underground Injection Control

1. BACKGROUND AND PURPOSE

This *Pilot Study Summary Report* (Report) was developed by Geosyntec Consultants, Inc. (Geosyntec) as part of implementing the Assessment of Corrective Measures (ACM) process at Georgia Power Company (Georgia Power) Plant Hammond Ash Pond 2 (AP-2; Site). The *Draft Remedy Selection Report* (Geosyntec, 2022) proposed in-situ geochemical injections, coupled with monitored natural attenuation (MNA), as the corrective measures to address concentrations of cobalt (Co) reported at statistically significant levels (SSLs) above Groundwater Protection Standards (GWPS) in detection monitoring well HGWC-18, and assessment monitoring wells MW-33 and MW-35. As documented in the Draft Remedy Selection Report, geochemical injections and monitored natural attenuation meet the required remedy criteria set forth in the United States Environmental Protection Agency's (USEPA's) Coal Combustion Residuals (CCR) Rule, 40 Code of Federal Regulations (CFR) Parts 257 effective October 19, 2015 (CCR Rule) including subsequent revisions and Georgia Environmental Protection Division's (GA EPD's) Rule for Solid Waste Management Rule 391-3-4-.10 for CCR

In a letter dated September 23, 2022, the GA EPD Solid Waste Management Program reviewed the Draft Remedy Selection Report and provided written concurrence to move forward with pilot testing to inform corrective action design. Geosyntec prepared the *HGWC-18 Pilot Study Workplan* and the *MW-33 and MW-35 Pilot Study Workplan* (Geosyntec, 2023a; 2023b; collectively referred to herein as Workplans) detailing the planned injections and subsequent performance monitoring. The Workplans were subsequently approved by both the EPD Underground Injection Control (UIC) Program and Solid Waste Management Program in a letter dated August 24, 2023, authorizing limited pilot test injections with a 90-day duration to inform corrective action design. This report summarizes the results of this pilot study.

Design of in-situ geochemical injection corrective measures includes multiple assessment and design components, including pilot studies to evaluate injection delivery and the performance of injectates prior to implementing a full scale remedy. Data collected during this pilot study has been used to evaluate:

1. Injectate dosing and efficacy of treating Co in groundwater to below the GWPS;

2. Radius of influence (ROI) of the injected amendment to evaluate future injection point spacing requirements; and

3. Sustainable injection pressure and flowrate.

This comprehensive Report summarizes pilot study activities which were initiated in June 2023 and were completed in February 2025 in accordance with the Workplans. Pilot study activities completed through September 2023 were previously reported in the *Pilot Study Post-Injection Event Report* (Geosyntec, 2023c; PSPIER), which is included as **Appendix A**, and performance monitoring activities through December 2024 have been summarized in semiannual groundwater monitoring reports and below.

Georgia Power anticipates receiving written authorization from GA EPD to hold a public meeting to discuss the proposed remedy of in-situ geochemical approaches, coupled with MNA. After the public meeting, Georgia Power will revise the *Draft Remedy Selection Report*, incorporating the public meeting comments.

2. PRE-INJECTION ACTIVITIES

A temporary corrective action injection well and three temporary corrective performance monitoring piezometers (performance monitoring wells) were installed at each pilot study area (i.e., the HGWC-18 area and the MW-33/MW-35 area) in June 2023. Pilot study injection and performance monitoring wells were located proximal to HGWC-18 and MW-33/35 in areas where detections of Co above the GWPS were expected, based on high-resolution site characterization activities. Injection well INW-01 and performance monitoring wells PT-01 through PT-03 were installed at the MW-33/MW-35 pilot study area. Injection well INW-02 and performance monitoring wells PT-04 through PT-06 were installed at the HGWC-18 pilot study area. INW-01, INW-02 and PT-01 through PT-06 are piezometers installed for the purpose of injection and performance monitoring respectively. Well installation was performed in accordance with the Workplans by Cascade Drilling, Inc. (Cascade) of Midland, North Carolina. Well locations are shown on **Figure 1** and construction details are provided in **Table 1.** Additional details on pilot well installation are included in the PSPIER (Geosyntec, 2023c).

Geosyntec conducted slug testing to estimate horizontal hydraulic conductivity (Kh) at each well following well installation and development. Hydraulic conductivities were estimated using the Bouwer-Rice analytical solution. The geometric mean hydraulic conductivities of HGWC-18 and MW-33/MW-35 pilot study area wells were 3.2 and 0.25 feet per day (ft/d), respectively. Hydraulic conductivities estimated from slug tests are summarized in **Table 2**. Slug test graphical solutions and model parameters are included as **Appendix B**.

Two rounds of groundwater samples were collected from the injection wells (INW-01 and INW-02) and performance monitoring wells (PT-01 through PT-06) in July and August 2023 to establish pre-injection baseline conditions. The results for the July and August 2023 baseline sampling events are presented in **Table 3**. The baseline analytical laboratory results and field sampling and equipment calibration forms are provided in **Appendix C**. These results were generally consistent with screening level analytical data collected during high resolution site characterization activities completed in 2023 (Geosyntec, 2023d).

3. INJECTION ACTIVITIES

Injection activities were performed September 5-13, 2023 by Cascade with technical supervision conducted by a Qualified Groundwater Scientist from Geosyntec. Injectate consisted of food grade sodium bicarbonate ($NaHCO_3$) obtained from TerraSystems, Inc. mixed with potable water obtained from an on-site fire hydrant that was designated in the Workplans. Injectate batches consisted of approximately 10 grams per liter (g/L) $NaHCO_3$, which is below the maximum allowable injectate concentration of 75 g/L $NaHCO_3$ set forth in the Workplans.

As detailed in the PSPIER (**Appendix A**), injections at INW-01 (located west of MW-33 and MW-35 and south of AP-2, as shown on **Figure 1**) were initiated by connecting an elevated intermediate bulk container (IBC) tote containing injectate to a packer assembly installed on the wellhead and equipped with a flow totalizer and pressure gauge. Due to low flow rates observed while implementing this method, a gravity-fed injection methodology was employed at INW-01 and subsequently INW-02 (located northeast of HGWC-18 and west of AP-2, as shown on **Figure 1)**. This methodology included removing the packer assembly and measuring water levels in the injection well in lieu of a pressure gage. Average flow, average daily injection volume, and total injection volume for each injection well are provided below.

	INW-01	**INW-02**
Average Flow Rate (gpm)	0.40	4.0
Average Daily Injection Volume (gal)	155	1045
Total Injection Volume (gal)	1080	5225

Injection pressures, flowrates, water levels, and groundwater quality parameters in nearby performance monitoring wells were measured throughout injection activities, and the daily maximum injection volume across both pilot study areas was below the value included in the Pilot Test Notification Form (2,400 gal per day [gpd]). A summary of daily injected volumes is included in **Table 4.**

4. POST-INJECTION PERFORMANCE MONITORING ACTIVITIES

Post-injection performance monitoring was initiated on September 18, 2023, with groundwater samples collected from all performance monitoring wells in accordance with the Workplans. The monitoring frequency was weekly[1] for four weeks, then monthly for a period of five months, and finally, quarterly for the duration of the pilot study.

In accordance with the Workplans, groundwater quality data from each performance monitoring event was directly compared against the Co GWPS and the results of the baseline characterization to evaluate the efficacy of $NaHCO_3$ as a method of remediation. In addition, Appendix IV monitoring parameters[2] were analyzed and monitored over the duration of the pilot study to evaluate potential localized mobilization of other Appendix IV parameters following injections. Post-injection performance sampling results are presented in **Table 5**. Post-injection performance monitoring analytical laboratory results and field sampling and equipment calibration forms are provided in **Appendix D.**

[1] In accordance with the Workplans, monitoring frequency in the first month was increased from biweekly to weekly based on field observations.
[2] Excluding radium.

5. PILOT STUDY RESULTS

5.1 Injectate Efficacy and Dosing

Injection of 10 g/L $NaHCO_3$ successfully treated Co in groundwater to below the GWPS at both pilot study areas. Additionally, secondary mobilization of other Appendix IV constituents was not observed.

Co concentrations were below the GWPS at all performance monitoring wells in the first month following injection at the MW-33/MW-35 pilot study area, as shown by the time series plot of Co on **Figure 2A**. Cobalt concentrations at PT-01 and PT-02 (located immediately downgradient of injection well INW-01) have remained below the GWPS throughout the performance monitoring period. Cobalt concentrations at PT-03 (the most downgradient location) rebounded after one month to pre-injection levels but subsequently decreased and have been below pre-injection levels since January 2024.

Co concentrations were also below the GWPS at all performance monitoring wells in the first month following injection at the HGWC-18 pilot study area, as shown by the time series plot of Co on **Figure 2B**. Cobalt concentrations at PT-05 and PT-06 (located 5.7 and 9.8 ft away from INW-02) have remained below the GWPS throughout the performance monitoring period. Cobalt concentrations at PT-04 (located 3.8 ft away from INW-02) rebounded slightly during the first month of performance monitoring. PT-04 Co concentrations have subsequently fluctuated at an average value below the GWPS.

Pilot study data for both areas align with the conceptual site model (CSM) for AP-2, which states that concentrations of Co in groundwater are influenced by groundwater pH, and localized decreases in pH are likely the primary driver of Co mobilization from the aquifer matrix to groundwater. Cobalt was typically immobilized at pH values above 6.5 standard units (s.u.), as demonstrated by a plot of Co concentration versus pH, shown on **Figure 3**. A similar plot of Co concentration versus total alkalinity is shown on **Figure 4** indicates that injection of 10 g/L $NaHCO_3$was effective at decreasing Co concentrations in groundwater.

The injectate dosing of 10 g/L $NaHCO_3$ was sufficient to immobilize Co during the pilot study. However, injectate concentrations may be adjusted during implementation to meet remedial objectives, as Co impacts vary spatially. Although Co concentrations remained below the GWPS for the duration of the pilot study, maintenance injections may be required during implementation.

5.2 Radius of Influence

Injection radius of influence (ROI) was evaluated using both field parameter measurements in nearby performance monitoring wells during injections and post-injection analytical data. Field parameter measurements of groundwater specific conductivity in nearby performance monitoring wells was primarily used to evaluate the presence of injectate in nearby performance monitoring wells.

5.2.1 MW-33/MW-35 Area

Plots of normalized[3] specific conductivity and the total volume of injectate as a function of time are shown on **Figure 5A** for MW-33/MW-35 area performance monitoring wells. This plot suggests that a relatively constant injectate breakthrough occurred at PT-01 (located 5 ft downgradient from injection well INW-01) after injecting 506 gal of injectate, and that a minimum 5 ft ROI was achieved.

Differing responses were observed in PT-02 (located 4.8 ft downgradient from INW-01 and 4.8 ft side gradient of PT-01) and PT-03 (located 11.1 ft downgradient of INW-01). The nature of injectate breakthrough during actual injection is less clear at PT-02 due to a lower field parameter measurement frequency, however, no specific conductivity response was observed until more than 720 gal had been injected.

Groundwater quality data collected in the first week of performance monitoring is also indicative of ROI. Following injection, Na concentrations increased from baseline (11 mg/L) to 2,560 mg/L at PT-01 and 2170 mg/L at PT-02, indicating a minimum 5 ft ROI was achieved. Although responses varied between PT-01 and PT-02 during injection, similar Na levels suggest injectate was relatively uniformly distributed immediately downgradient despite geologic heterogeneities one week after injection. Although injectate was observed 11.1 ft away at PT-03, the Na concentration was only 125 mg/L, indicating an effective ROI of less than 11 ft.

5.2.2 HGWC-18 Area

Plots of normalized specific conductivity and the total volume of injectate as a function of time are shown on **Figure 5B** for HGWC-18 area performance monitoring wells. This plot indicates that a greater injectate response was observed at PT-05 (located 5.7 ft from

[3] Field measurements were normalized to account for background and injectate specific conductivity.

injection well INW-02) than at PT-04 (located 3.8 ft from injection well INW-02). This may be related to the higher estimated horizontal hydraulic conductivity at PT-05[4].

Performance monitoring well groundwater Na concentrations in the week immediately following injection were 586 mg/L and 716 mg/L at PT-04 and PT-05, as compared to a baseline concentration of 12 mg/L. This is generally consistent with normalized specific conductivity measurements during injection. However, elevated Na concentration at PT-06 (682 mg/L) confirm injections influenced groundwater quality at this location.

These results suggest an ROI in excess of 5 ft is achievable at HGWC-18 pilot study area, however, injection volumes in excess of 5,300 gal may be required.

5.3 Sustainable Injection Pressure and Flowrate

5.3.1 MW-33/MW-35 Area

Although maximum sustainable pressures were not directly measured due to the use of gravity feed injections, mounding is indicative of sustainable pressures. Mounding observed in the MW-33/MW-35 pilot study areas was less than 3 ft. Although an injection flow rate of 1 gpm was briefly achieved at INW-01, flowrates were typically around 0.3 gpm. Higher injection pressures and flowrates may be practicable at other MW-33/MW-35 locations, as estimated horizontal hydraulic conductivities of the two immediate downgradient performance test wells were over 2 to 8 times higher than at INW-01.

5.3.2 HGWC-18 Area

The peak mounding and flowrate observed at the HGWC-18 pilot study area was 7.6 ft and 6.7 gpm, respectively. It is expected that a greater flowrate may be achievable during future in-situ injections proximal to HGWC-18 in the event that pressurized injectate delivery is utilized.

5.4 Source Control and Natural Attenuation

Closure construction activities for AP-2 consist of closure by removal, which was certified as complete by GA EPD on December 23, 2024. Closure by removal includes excavation and removal of the CCR material from AP-2. Physical removal of the CCR will, over time, be supportive of declining concentrations of Appendix IV constituents in groundwater downgradient of AP-2 and improve overall groundwater quality. For example, Co concentrations at HGWC-18 have declined substantially since the initiation

[4] The PT-05 estimated hydraulic conductivity is 2.4 times higher than the value estimated at PT-04 based on slug test data.

of closure activities in 2020. Data collected during the pilot study confirm that in-situ injections are compatible with ongoing natural attenuation at AP-2, and are expected to further enhance groundwater cleanup to below the GWPS.

6. CONCLUSION

This pilot study has demonstrated that the in-situ geochemical injection of $NaHCO_3$ successfully treated Co in groundwater to below the GWPS at both the MW-33/MW-35 and HGWC-18 pilot study areas. Secondary mobilization of other Appendix IV constituents was not observed during pilot studies. Furthermore, the results of this pilot study support the proposed remedy described in the Draft Remedy Selection Report. Based on these results, the proposed remedy is capable of meeting requirements listed in §257.97. Data collected from this pilot study will be used in the design of in-situ geochemical injection corrective measures and included in the Corrective Action Management Plan. Full-scale in-situ geochemical injection and MNA corrective measures are expected to treat Co SSLs above the GWPS in detection monitoring well HGWC-18, and assessment monitoring wells MW-33 and MW-35 at AP-2.

Georgia Power anticipates receiving written authorization from GA EPD to hold the public meeting with the proposed remedy of in-situ geochemical approaches, coupled with MNA. After the public meeting, Georgia Power will revise the Draft Remedy Selection Report, incorporating the public meeting comments.

7. REFERENCES

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TABLES

Table 1
Summary of Well Construction Details
Plant Hammond AP-2, Floyd County, Georgia

Pilot Study Area	Well ID	Well Completion	Installation Date	Northing [(1)]	Easting [(1)]	Ground Surface Elevation [(2)] (ft)	Top of Casing Elevation [(2)] (ft)	Top of Screen Elevation (ft)	Bottom of Screen Elevation (ft)	Well Depth (ft bgs) [(3)]	Screen Interval Length (ft)
MW-33/MW-35 Area	***Temporary Injection Well***										
	INW-01	Protective Riser	6/16/2023	1547921.52	1938350.62	571.04	573.90	561.04	551.04	20.30	10
	Temporary Performance Monitoring Well										
	PT-01	Protective Riser	6/17/2023	1547916.85	1938348.81	571.14	574.13	561.24	551.24	20.20	10
	PT-02	Protective Riser	6/16/2023	1547917.68	1938353.52	571.10	574.06	561.10	551.10	20.30	10
	PT-03	Protective Riser	6/17/2023	1547910.57	1938352.13	571.10	574.09	559.10	549.10	22.30	10
HGWC-18 Area	***Temporary Injection Well***										
	INW-02	Flush Mount	6/6/2023	1548915.00	1937643.89	580.78	580.56	555.78	545.78	35.30	10
	Temporary Performance Monitoring Well										
	PT-04	Flush Mount	6/6/2023	1548918.26	1937641.91	580.50	580.26	556.70	546.70	34.10	10
	PT-05	Flush Mount	6/12/2023	1548913.06	1937638.48	580.83	580.54	555.73	545.73	35.40	10
	PT-06	Flush Mount	6/7/2023	1548916.95	1937634.25	580.68	580.36	555.18	545.18	35.80	10

Notes:
ft = feet
ft bgs = feet below ground surface
(1) Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Survey was completed by GEL Solutions and certified July 17, 2023, and August 30, 2023.
(2) Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988. Ground surface elevation defined at the survey nail installed within the well pad. Survey was completed by GEL Solutions and certified July 17, 2023, and August 30, 2023.
(3) Total well depth accounts for 0.3 ft sump.

Table 2
Summary of Horizontal Hydraulic Conductivity Results
Plant Hammond AP-2, Floyd County, Georgia

Pilot Study Area	Well ID	Horizontal Hydraulic Conductivity[(1)] (ft/day)	Average Horizontal Hydraulic Conductivity (ft/day)	Horizontal Hydraulic Conductivity by Pilot Study Area (ft/day)		
				Max	Min	Geometric Mean
MW-33/MW-35 Area	INW-01	0.05	0.05	1.58	0.05	0.25
		0.05				
	PT-01	0.38	0.41			
		0.44				
	PT-02	0.12	0.12			
	PT-03	1.68	1.58			
		1.48				
HGWC-18 Area	INW-02	3.56	3.52	4.82	2.00	3.26
		3.49				
	PT-04	2.04	2.00			
		1.95				
	PT-05	5.41	4.82			
		4.24				
	PT-06	3.71	3.33			
		2.96				

Notes:
ft/day = foot per day
(1) Pneumatic slug tests were repeated twice and horizontal hydraulic conductivities were estimated from the Bouwer-Rice model.

Table 3
Summary of Baseline Groundwater Analytical Data
Plant Hammond AP-2, Floyd County, Georgia

	Pilot Study Area:		MW-33/MW-35 Area								HGWC-18 Area							
	Well ID:		INW-01	INW-01	PT-01	PT-01	PT-02	PT-02	PT-03	PT-03	INW-02	INW-02	PT-04	PT-04	PT-05	PT-05	PT-06	PT-06
	Sample Date:		7/19/2023	8/9/2023	7/18/2023	8/9/2023	7/18/2023	8/9/2023	7/18/2023	8/9/2023	7/14/2023	8/9/2023	7/14/2023	8/9/2023	7/14/2023	8/9/2023	7/14/2023	8/9/2023
	Parameter [1,2,3]	GWPS[4]																
APPENDIX III	Boron	--	8.7	8.0	8.1	7.9	8.3	8.4	8.2	8.7	7.1	6.3	7.8	7.8	7.5	7.2	7.8	7.2
	Calcium	--	397	409	370	326	379	276	382	360	306	306	297	287	287	370	319	300
	Chloride	--	210	207	147	141	174	138	138	113	153	135	153	132	166	145	156	140
	Fluoride	--	0.34	0.19	0.70	0.56	0.47	0.67	0.84	0.77	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
	pH (s.u.)	--	5.18	5.80	4.63	4.76	4.97	5.06	4.64	4.80	6.27	6.41	6.30	6.43	6.13	6.36	6.09	6.31
	Sulfate	--	975	763	892	762	938	767	948	778	532	457	535	458	564	479	542	473
	TDS	--	2000	1890	1700	1820	1830	1800	2690	1750	1460	1350	1310	1320	1520	1480	1330	1420
APPENDIX IV	Antimony	0.006	<0.0012	<0.0012	<0.0012	<0.0012	0.0013 J	<0.0012	0.0029 J	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012
	Arsenic	0.01	0.0061 J	<0.0037	0.0075 J	0.0052 J	0.0063 J	0.0051 J	0.0076 J	0.0056 J	0.0057 J	0.0054 J	0.0077 J	0.0081 J	<0.0037	<0.0037	<0.0037	<0.0037
	Barium	2	0.069	0.053	0.046	0.037	0.054	0.045	0.025	0.021	0.070	0.042	0.048	0.039	0.045	0.040	0.037	0.032
	Beryllium	0.004	0.0010	0.00059	0.0024	0.0021	0.0016	0.0022	0.0026	0.0024	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054
	Cadmium	0.005	0.00059	<0.00011	0.00099	0.0010	0.00091	0.00092	0.00062	0.00055	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	0.00025 J
	Chromium	0.1	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	0.0011 J	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011
	Cobalt	0.038	0.13	0.11	0.11	0.11	0.13	0.13	0.12	0.11	0.060	0.050	0.058	0.056	0.042	0.039	0.063	0.058
	Fluoride	4	0.34	0.19	0.70	0.56	0.47	0.67	0.84	0.77	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
	Lead	0.015	0.00037 J	<0.00012	0.00072 J	<0.00060	0.00043 J	0.00071 J	0.0014	0.0020 J	<0.00012	<0.00012	<0.00012	<0.00012	<0.00012	<0.00012	<0.00012	<0.00012
	Lithium	0.048	0.0064 J	0.0036 J	0.0052 J	0.0039 J	0.0069 J	0.0043 J	0.0031 J	0.0023 J	0.0057 J	0.0038 J	0.005 J	0.0047 J	0.005 J	0.0049 J	0.0057 J	0.0055 J
	Mercury	0.002	<0.00013	<0.00013	0.00023	0.00014 J	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013
	Molybdenum	0.1	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074
	Selenium	0.05	0.0075	0.011	0.011	0.020	0.0075	0.021	0.011	0.021	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014
	Thallium	0.002	<0.00018	<0.00018	<0.00018	<0.00090	<0.00018	<0.00090	0.00021 J	<0.00090	0.00037 J	0.00045 J	<0.00018	0.00027 J	<0.00018	<0.00018	0.00049 J	0.00064 J
INORGANICS	Bicarbonate Alkalinity as CaCO3	--	14.9	46.5	<5.0	<5.0	5.5	<5.0	<5.0	<5.0	159	166	155	168	148	150	140	144
	Carbonate Alkalinity as CaCO3	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Total Alkalinity as CaCO3	--	14.9	46.5	<5.0	<5.0	5.5	<5.0	<5.0	<5.0	159	166	155	168	148	150	140	144
	Sodium	--	10.0	12.5	8.8	10.6	9.3	9.8	11.7	14.7	11.1	12.9	12.2	11.4	10.6	11.8	13.6	15.3
	Sulfide	--	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	0.031 J	<0.022	<0.022	<0.022	<0.022
METALS	Iron	--	2.9	12.3	0.078	<0.025	0.44	0.39	0.26	0.59	10.7	9.4	16.0	13.2	1.2	1.6	6.6	5.8
	Magnesium	--	52.3	58.4	38.2	39.0	44.0	37.2	36.9	35.1	25.8	27.0	24.1	24.3	26.7	26.5	25.6	26.1
	Manganese	--	14.4	20.7	9.6	10.3	12.6	11.5	8.2	7.5	16.0	13.3	17.8	17.0	11.4	10.7	18.0	17.4
	Potassium	--	5.4	6.2	5.2	6.5	5.2	6.5	5.4	6.6	6.0	6.6	7.2	7.6	4.5	5.0	6.6	7.3
FIELD	Dissolved Oxygen	--	0.51	0.21	0.46	0.26	0.99	0.22	0.11	0.23	0.08	0.06	0.08	0.06	0.09	0.07	0.10	0.02
	Oxidation-Reduction Potential (mV)	--	37.1	-51.9	131.8	91.2	148.3	73.6	110.2	54.5	-52.1	26.3	-70.5	16.5	7.9	82.3	-19.2	99.4
	Temperature (°C)	--	20.49	23.92	22.09	21.01	31.50	21.81	21.13	20.48	22.77	21.02	21.83	20.65	23.73	21.96	22.95	21.23
	Specific Conductance (µS/cm)	--	2297	2169	1954	1959	2156	1993	2031	1953	1711	1640	1715	1656	1727	1710	1683	1612
	pH (s.u.)	--	5.18	5.80	4.63	4.76	4.97	5.06	4.64	4.80	6.27	6.41	6.30	6.43	6.13	6.36	6.09	6.31
	Turbidity (NTU)	--	3.05	0.42	3.21	0.89	3.98	0.40	3.74	0.70	1.44	0.00	2.84	0.04	4.76	4.81	2.77	2.30

Notes:
< = Indicates the parameter was not detected above the analytical method detection limit (MDL).
°C = degrees Celsius
GWPS = Groundwater Protection Standard
J = Indicates the parameter was estimated and detected between the MDL and the reporting limit (RL).
µS/cm = microsiemens per centimeter
mV = millivolts
NTU = nephelometric turbidity units
s.u. = standard units
TDS = Total dissolved solids
(1) Appendix III/IV parameter per 40 CFR 257 Subpart D. Analysis of combined radium omitted from the pilot study monitoring program. Unless otherwise indicated, parameters are reported in units of milligrams per liter (mg/L).
(2) Metals were analyzed by EPA Method 6010D, 6020B, and 7470A, anions were analyzed by EPA Method 300.0, TDS was analyzed by SM2540C-2015, and combined radium 226/228 by EPA Methods 9315/9320.

(3) The pH value presented was recorded at the time of sample collection in the field.

(4) Under 40 CFR 257.95(h)(1-3) the GWPS is: (i) the maximum contaminant level (MCL) established under §§141.62 and 141.66 of this title; (ii) where an MCL has not been established a rule-specific GWPS; or (iii) background levels for constituents where the background level is higher than the MCL or rule-specified GWPS.

Table 4
Summary of Daily Injection Volumes
Plant Hammond AP-2, Floyd County, Georgia

Date	Daily Injection Volume (gal)	
	INW-01 (MW-33/MW-35 Area)	**INW-02 (HGWC-18 Area)**
09/06/2023	120	--
09/07/2023	93	--
09/08/2023	93	--
09/09/2023	200	175
09/10/2023	214	1,200
09/11/2023	180	825
09/12/2023	180	1,650
09/13/2023	--	1,375
TOTAL:	**1,080**	**5,225**

Notes:
-- = indicates no injections occurred on this date
gal = gallons

Table 5
Summary of Post-injection Performance Groundwater Analytical Data
Plant Hammond AP-2, Floyd County, Georgia

Pilot Study Area:		MW-33/MW-35 Area												
Well ID:		PT-01	PT-01	PT-01	PT-01	PT-01	PT-01	PT-01	PT-01	PT-01	PT-01	PT-01	PT-01	PT-01
Sample Date:		09/19/2023	09/26/2023	10/03/2023	10/10/2023	10/24/2023	11/21/2023	12/20/2023	01/24/2024	02/19/2024	05/13/2024	08/15/2024	11/14/2024	02/03/2025
ANALYTE	**Units**													
APPENDIX III														
Boron	mg/L	0.29	0.76	1.9	1.7	2.5	3.1	6.8	3.5	2.3	1.8	2.2	2.1	1.9
Calcium	mg/L	19.6	NA	NA	NA	NA	122	NA	NA	96.6	63.3	54.9	62.3	77.4
Chloride	mg/L	< 0.60	NA	NA	NA	NA	92.3	NA	NA	53.0	13.5	16.8	21.9	15.8
Fluoride	mg/L	< 0.050	NA	NA	NA	NA	0.19	NA	NA	0.24	0.20	0.14	0.17	0.12
pH, Field	SU	7.73	7.40	7.24	7.10	7.00	6.83	6.67	6.60	6.83	6.44	6.42	6.29	6.21
Sulfate	mg/L	152	NA	NA	NA	NA	749	NA	NA	279	134	138	136	144
TDS	mg/L	5800	NA	NA	NA	NA	3450	NA	NA	810	399	403	393	386
APPENDIX IV														
Antimony	mg/L	0.0019 J	NA	NA	NA	NA	< 0.00054	NA	NA	< 0.00054	< 0.00054	< 0.00054	< 0.00054	< 0.00050
Arsenic	mg/L	< 0.0037	NA	NA	NA	NA	< 0.0042	NA	NA	0.0033 J	0.0017 J	0.0019 J	0.0011 J	< 0.0012
Barium	mg/L	0.061	NA	NA	NA	NA	0.11	NA	NA	0.036	0.027	0.027	0.025	0.040
Beryllium	mg/L	< 0.000054	NA	NA	NA	NA	< 0.000094	NA	NA	< 0.000094	< 0.000094	< 0.000094	< 0.000094	< 0.00015
Cadmium	mg/L	< 0.00011	NA	NA	NA	NA	< 0.00010	NA	NA	< 0.00010	< 0.00010	< 0.00010	< 0.00010	0.00020 J
Chromium	mg/L	0.0012 J	NA	NA	NA	NA	< 0.0094	NA	NA	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0012
Cobalt	mg/L	0.0011 J	< 0.0039	< 0.0039	< 0.0039	0.0044 J	0.0071 J	0.020	0.0045 J	0.014	0.0051	0.0048 J	0.0048 J	0.0017 J
Lead	mg/L	0.00022 J	NA	NA	NA	NA	< 0.00016	NA	NA	0.00020 J	< 0.00016	< 0.00016	< 0.00016	< 0.00025
Lithium	mg/L	< 0.00073	NA	NA	NA	NA	< 0.0016	NA	NA	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0006
Mercury	mg/L	< 0.00013	NA	NA	NA	NA	< 0.00013	NA	NA	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00012
Molybdenum	mg/L	0.0024 J	NA	NA	NA	NA	< 0.00062	NA	NA	< 0.00062	< 0.00062	< 0.00062	< 0.00062	<0.0025
Selenium	mg/L	0.0014 J	NA	NA	NA	NA	< 0.0048	NA	NA	< 0.00096	< 0.00096	< 0.00096	0.0011 J	0.0016 J
Thallium	mg/L	< 0.00018	NA	NA	NA	NA	< 0.00038	NA	NA	< 0.00038	< 0.00038	< 0.00038	< 0.00038	0.00022 J
Fluoride	mg/L	< 0.050	NA	NA	NA	NA	0.19	NA	NA	0.24	0.20	0.14	0.17	0.12
Additional Parameters														
Bicarbonate Alkalinity as CaCO3	mg/L	5400	4800	3920	3770	3160	2060	859	243	253	143	102	67.3	62.7
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Alkalinity as CaCO3	mg/L	5400	4800	3920	3770	3160	2060	859	243	253	143	102	67.3	62.7
Iron	mg/L	0.18	NA	NA	NA	NA	0.85	NA	NA	10.1	4.1	2.8	3.9	0.16
Magnesium	mg/L	11.5	NA	NA	NA	NA	21.6	NA	NA	11.3	7.6	6.3	6.3	8.4
Manganese	mg/L	0.085	NA	NA	NA	NA	3.9	NA	NA	6.6	1.4	1.1	1.3	0.38 J
Potassium	mg/L	4.2	NA	NA	NA	NA	5.2	NA	NA	15.2	19.2	15.9	11.3	9.3
Sodium	mg/L	2560	NA	NA	NA	NA	1180	NA	NA	145	41.0	43.7	39.9	21.3
Sulfide	mg/L	< 0.022	NA	NA	NA	NA	< 0.022	NA	NA	< 0.022	0.044 J	0.036 J	< 0.022	< 0.022
Supplemental														
Oxidation Reduction Potential, Field	mV	56.5	65.0	27.50	33.2	-31.5	-111.5	-88.4	174.4	-117.2	-60.1	14.1	-48.3	74.0
pH, Field	SU	7.73	7.40	7.24	7.10	7.00	6.83	6.67	6.60	6.83	6.44	6.42	6.29	6.21
Dissolved Oxygen, Field	mg/L	2.71	0.78	3.07	0.51	0.12	0.13	0.16	0.56	0.26	0.012	0.08	0.17	0.94
Specific Conductance, Field	uS/cm	7347	6748	5686	5656	6566	4318	3572	1483	1083	598.9	477.1	561.82	548.7
Temperature, Field	deg C	21.03	20.51	21.20	22.62	21.11	19.19	18.11	16.95	16.87	16.52	20.60	18.68	18.89
Turbidity, Field	NTU	4.34	4.22	3.97	2.17	4.70	2.26	0.64	0.38	2.12	1.62	3.40	1.28	0.74

Notes:
< = Indicates the parameter was not detected above the analytical method detection limit (MDL).
J = Indicates the parameter was estimated and detected between the MDL and the reporting limit (RL).
µS/cm = microsiemens per centimeter
mV = millivolts
NTU = nephelometric turbidity units
SU = standard units
TDS = Total dissolved solids
(1) Appendix III/IV parameter per 40 CFR 257 Subpart D. Analysis of combined radium omitted from the pilot study monitoring program. Unless otherwise indicated, parameters are reported in units of milligrams per liter (mg/L).
(2) Metals were analyzed by EPA Method 6010D, 6020B, and 7470A, anions were analyzed by EPA Method 300.0, TDS was analyzed by SM2540C-2015, and combined radium 226/228 by EPA Methods 9315/9320.
(3) The pH value presented was recorded at the time of sample collection in the field.

Table 5
Summary of Post-injection Performance Groundwater Analytical Data
Plant Hammond AP-2, Floyd County, Georgia

Pilot Study Area:		MW-33/MW-35 Area												
Well ID:		PT-02	PT-02	PT-02	PT-02	PT-02	PT-02	PT-02	PT-02	PT-02	PT-02	PT-02	PT-02	PT-02
Sample Date:		09/19/2023	09/26/2023	10/03/2023	10/10/2023	10/24/2023	11/21/2023	12/20/2023	01/24/2024	02/20/2024	05/13/2024	08/15/2024	11/14/2024	02/03/2025
ANALYTE	Units													
APPENDIX III														
Boron	mg/L	1.1	2.7	3.1	3.6	3.7	3.8	4.2	5.3	4.0	5.4	4.1	5.5	4.0
Calcium	mg/L	54.1	NA	NA	NA	NA	148	NA	NA	158	218	159	243	160
Chloride	mg/L	9.8	NA	NA	NA	NA	118	NA	NA	87.3	112	67.1	83.6	53.0
Fluoride	mg/L	0.17	NA	NA	NA	NA	0.19	NA	NA	0.15	0.12	0.085 J	0.12	0.079 J
pH, Field	SU	7.41	7.19	7.08	7.53	6.91	6.76	6.78	6.57	6.63	6.39	6.40	6.25	6.02
Sulfate	mg/L	260	NA	NA	NA	NA	724	NA	NA	516	690	356	469	312
TDS	mg/L	3880	NA	NA	NA	NA	2880	NA	NA	1820	1460	854	1340	738
APPENDIX IV														
Antimony	mg/L	< 0.0012	NA	NA	NA	NA	< 0.00054	NA	NA	0.00060 J	0.0011 J	< 0.00054	0.00055 J	< 0.00050
Arsenic	mg/L	< 0.0037	NA	NA	NA	NA	0.0024 J	NA	NA	0.0036 J	0.0016 J	0.0032 J	0.0023 J	< 0.0012
Barium	mg/L	0.078	NA	NA	NA	NA	0.081	NA	NA	0.042	0.040	0.032	0.038	0.051
Beryllium	mg/L	< 0.000054	NA	NA	NA	NA	< 0.00047	NA	NA	< 0.000094	< 0.000094	< 0.000094	< 0.000094	< 0.00015
Cadmium	mg/L	< 0.00011	NA	NA	NA	NA	< 0.00010	NA	NA	< 0.00010	< 0.00010	< 0.00010	< 0.00010	0.00061
Chromium	mg/L	< 0.0011	NA	NA	NA	NA	< 0.0019	NA	NA	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0012
Cobalt	mg/L	0.0081	0.013 J	0.017	0.015 J	0.012 J	0.014	0.012	0.0078	0.029	0.027	0.018	0.022	0.012
Lead	mg/L	< 0.00012	NA	NA	NA	NA	< 0.00016	NA	NA	< 0.00016	< 0.00016	< 0.00016	< 0.00016	< 0.00025
Lithium	mg/L	0.00098 J	NA	NA	NA	NA	< 0.0016	NA	NA	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0006
Mercury	mg/L	< 0.00013	NA	NA	NA	NA	< 0.00013	NA	NA	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00012
Molybdenum	mg/L	0.0029 J	NA	NA	NA	NA	< 0.00062	NA	NA	< 0.00062	< 0.00062	< 0.00062	< 0.00062	<0.0025
Selenium	mg/L	0.0017 J	NA	NA	NA	NA	< 0.00096	NA	NA	< 0.00096	< 0.00096	< 0.00096	0.0011 J	0.0040 J
Thallium	mg/L	< 0.00018	NA	NA	NA	NA	< 0.00038	NA	NA	< 0.00038	< 0.00038	< 0.00038	< 0.00038	0.00032 J
Fluoride	mg/L	0.17	NA	NA	NA	NA	0.19	NA	NA	0.15	0.12	0.085 J	0.12	0.079 J
Additional Parameters														
Bicarbonate Alkalinity as CaCO3	mg/L	4380	3790	2820	2400	2220	1500	1290	680	355	263	171	127	65.9
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Alkalinity as CaCO3	mg/L	4380	3790	2820	2400	2220	1500	1290	680	355	263	171	127	65.9
Iron	mg/L	0.030 J	NA	NA	NA	NA	4.7	NA	NA	13.2	7.9	7.7	5.7	0.15
Magnesium	mg/L	15.1	NA	NA	NA	NA	24.7	NA	NA	18.4	23.8	15.8	23.6	16.7
Manganese	mg/L	1.8	NA	NA	NA	NA	5.2	NA	NA	9.6	9.2	5.9	6.6	3.3 J
Potassium	mg/L	5.6	NA	NA	NA	NA	6.1	NA	NA	7.3	5.3	8.6	6.7	8.4
Sodium	mg/L	2170	NA	NA	NA	NA	918	NA	NA	256	209	116	86.5	42.4
Sulfide	mg/L	< 0.022	NA	NA	NA	NA	0.033 J	NA	NA	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022
Supplemental														
Oxidation Reduction Potential, Field	mV	-84.2	-94.5	-73.4	-99.8	-122.1	-121.4	-121.1	70.1	-117.1	-51.7	-16.0	-56.4	77.0
pH, Field	SU	7.41	7.19	7.08	7.53	6.91	6.76	6.78	6.57	6.63	6.39	6.40	6.25	6.02
Dissolved Oxygen, Field	mg/L	0.20	0.35	0.05	6.53	6.91	0.19	0.22	0.49	0.45	0.06	0.54	0.12	0.67
Specific Conductance, Field	uS/cm	6100	5518	4622	4590	4755	3660	4002	2960	1873	2000	970.8	1234.2	953.6
Temperature, Field	deg C	22.09	20.10	20.39	23.01	20.79	19.30	17.14	17.28	16.57	16.47	22.78	18.80	19.28
Turbidity, Field	NTU	1.75	1.22	3.56	4.86	3.44	2.45	0.20	0.49	1.95	2.10	2.97	0.95	1.26

Table 5
Summary of Post-injection Performance Groundwater Analytical Data
Plant Hammond AP-2, Floyd County, Georgia

Pilot Study Area:		MW-33/MW-35 Area												
Well ID:		PT-03	PT-03	PT-03	PT-03	PT-03	PT-03	PT-03	PT-03	PT-03	PT-03	PT-03	PT-03	PT-03
Sample Date:		09/19/2023	09/26/2023	10/03/2023	10/10/2023	10/24/2023	11/21/2023	12/20/2023	01/24/2024	02/20/2024	05/13/2024	08/15/2024	11/14/2024	02/03/2025
ANALYTE	Units													
APPENDIX III														
Boron	mg/L	6.9	8.0	7.4	6.8	9.2	7.4	7.0	7.8	6.0	5.9	6.6	6.1	6.3
Calcium	mg/L	367	NA	NA	NA	NA	408	NA	NA	275	242	281	246	272
Chloride	mg/L	229	NA	NA	NA	NA	165	NA	NA	96.0	91.0	79.9	93.7	76.2
Fluoride	mg/L	0.37	NA	NA	NA	NA	0.84	NA	NA	0.57	0.48	0.56	0.44	0.49
pH, Field	SU	6.61	6.57	6.76	6.64	6.51	5.33	5.18	4.94	5.15	5.14	4.81	5.49	4.82
Sulfate	mg/L	788	NA	NA	NA	NA	981	NA	NA	758	656	707	576	598
TDS	mg/L	1950	NA	NA	NA	NA	1840	NA	NA	1480	1230	1360	1330	1280
APPENDIX IV														
Antimony	mg/L	< 0.0012	NA	NA	NA	NA	< 0.00054	NA	NA	< 0.00054	< 0.00054	< 0.00054	< 0.00054	< 0.00050
Arsenic	mg/L	< 0.0037	NA	NA	NA	NA	0.0074 J	NA	NA	0.0067	0.0028 J	0.0048 J	0.0024 J	0.0042 J
Barium	mg/L	0.031	NA	NA	NA	NA	0.032	NA	NA	0.024	0.019	0.020	0.024	0.023
Beryllium	mg/L	0.00019 J	NA	NA	NA	NA	0.0018 J	NA	NA	0.0017	0.0015	0.0018	0.0012	0.0013
Cadmium	mg/L	< 0.00011	NA	NA	NA	NA	0.00049 J	NA	NA	0.00058	0.00051	0.00047 J	0.00034 J	0.00047 J
Chromium	mg/L	< 0.0011	NA	NA	NA	NA	< 0.0019	NA	NA	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0012
Cobalt	mg/L	0.030	0.029 J	0.018	0.014 J	0.046 J	0.11	0.14	0.11	0.092	0.075	0.081	0.061	0.075
Lead	mg/L	0.00037 J	NA	NA	NA	NA	0.00058 J	NA	NA	0.0012	0.0012	0.0018	0.0011	0.0016
Lithium	mg/L	0.00088 J	NA	NA	NA	NA	0.0017 J	NA	NA	< 0.0016	< 0.0016	< 0.0016	< 0.0016	0.00124 J
Mercury	mg/L	< 0.00013	NA	NA	NA	NA	0.00017 J	NA	NA	< 0.00013	< 0.00013	< 0.00013	< 0.00013	0.00015 J
Molybdenum	mg/L	< 0.00074	NA	NA	NA	NA	< 0.00062	NA	NA	< 0.00062	< 0.00062	< 0.00062	< 0.00062	<0.0025
Selenium	mg/L	0.0026 J	NA	NA	NA	NA	0.013	NA	NA	0.0085	0.0078	0.0071	0.0040 J	0.020
Thallium	mg/L	< 0.00018	NA	NA	NA	NA	< 0.00038	NA	NA	< 0.00038	< 0.00038	< 0.00038	< 0.00038	0.00021 J
Fluoride	mg/L	0.37	NA	NA	NA	NA	0.84	NA	NA	0.57	0.48	0.56	0.44	0.49
Additional Parameters														
Bicarbonate Alkalinity as CaCO3	mg/L	232	197	150	146	97.6	35.7	13.5	11.3	9.8	9.2	< 5.0	33.6	7.1
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Alkalinity as CaCO3	mg/L	232	197	150	146	97.6	35.7	13.5	11.3	9.8	9.2	< 5.0	33.6	7.1
Iron	mg/L	0.88	NA	NA	NA	NA	0.85	NA	NA	0.075	< 0.025	< 0.025	0.091	0.047
Magnesium	mg/L	36.0	NA	NA	NA	NA	38.3	NA	NA	27.0	24.0	27.9	22.1	24.9
Manganese	mg/L	6.3	NA	NA	NA	NA	8.8	NA	NA	5.4	4.7	5.5	4.1	5.6
Potassium	mg/L	6.2	NA	NA	NA	NA	7.1	NA	NA	5.6	5.4	6.0	8.8	6.0
Sodium	mg/L	125	NA	NA	NA	NA	38.3	NA	NA	44.6	42.9	55.7	77.6	35.9
Sulfide	mg/L	< 0.022	NA	NA	NA	NA	< 0.022	NA	NA	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022
Supplemental														
Oxidation Reduction Potential, Field	mV	-46.3	-25.8	-26.9	-37.6	-14.4	85.3	177.6	291.1	69.2	116.6	154.7	46.8	84.5
pH, Field	SU	6.61	6.57	6.76	6.64	6.51	5.33	5.18	4.94	5.15	5.14	4.81	5.49	4.82
Dissolved Oxygen, Field	mg/L	0.60	0.04	0.08	0.12	0.10	0.34	0.15	0.13	0.28	0.05	0.52	0.11	0.11
Specific Conductance, Field	uS/cm	2201	2337	2094	2041	2075	2105	2357	1964	1765	1483	1348	1524.7	1475
Temperature, Field	deg C	19.99	20.07	20.21	19.50	20.62	18.70	17.01	16.56	15.48	16.48	2032	18.08	17.54
Turbidity, Field	NTU	4.59	4.82	4.22	3.58	0.48	1.64	1.38	4.32	0.88	2.56	2.23	1.00	0.81

Table 5
Summary of Post-injection Performance Groundwater Analytical Data
Plant Hammond AP-2, Floyd County, Georgia

Pilot Study Area:		HGWC-18 Area												
Well ID:		PT-04	PT-04	PT-04	PT-04	PT-04	PT-04	PT-04	PT-04	PT-04	PT-04	PT-04	PT-04	PT-04
Sample Date:		09/19/2023	09/26/2023	10/03/2023	10/10/2023	10/24/2023	11/21/2023	12/20/2023	01/24/2024	02/21/2024	05/13/2024	08/15/2024	11/14/2024	02/03/2025
ANALYTE	Units													
APPENDIX III														
Boron	mg/L	2.9	6.5	7.1	6.5	7.3	5.1	5.5	6.8	6.2	6.6	6.2	6.2	6.3
Calcium	mg/L	169	NA	NA	NA	NA	187	NA	NA	244	257	249	249	227
Chloride	mg/L	107	NA	NA	NA	NA	84.7	NA	NA	113	123	96.7	99.0	88.5
Fluoride	mg/L	0.12	NA	NA	NA	NA	0.12	NA	NA	0.13	0.081 J	0.054 J	0.092 J	0.055 J
pH, Field	SU	6.92	6.84	6.88	4.91	6.83	6.87	6.68	6.69	6.67	6.53	6.68	6.47	6.59
Sulfate	mg/L	442	NA	NA	NA	NA	316	NA	NA	451	462	407	346	331
TDS	mg/L	2280	NA	NA	NA	NA	1270	NA	NA	1370	1320	1150	1260	1110
APPENDIX IV														
Antimony	mg/L	< 0.0012	NA	NA	NA	NA	0.00061 J	NA	NA	< 0.00054	< 0.00054	< 0.00054	< 0.00054	< 0.00050
Arsenic	mg/L	0.0092 J	NA	NA	NA	NA	0.0042 J	NA	NA	0.0086	0.0058	0.0095	0.0088	0.0060
Barium	mg/L	0.072	NA	NA	NA	NA	0.048	NA	NA	0.045	0.035	0.026	0.025	0.031
Beryllium	mg/L	< 0.000054	NA	NA	NA	NA	< 0.00047	NA	NA	< 0.000094	< 0.000094	< 0.000094	< 0.000094	< 0.00015
Cadmium	mg/L	< 0.00011	NA	NA	NA	NA	< 0.00010	NA	NA	< 0.00010	< 0.00010	< 0.00010	< 0.00010	0.00013 J
Chromium	mg/L	< 0.0011	NA	NA	NA	NA	< 0.0019	NA	NA	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0012
Cobalt	mg/L	0.018	0.022 J	0.026	0.023 J	0.029 J	0.047	0.031	0.031	0.039	0.039	0.034	0.034	0.033
Lead	mg/L	< 0.00012	NA	NA	NA	NA	< 0.00016	NA	NA	< 0.00016	< 0.00016	0.00023 J	< 0.00016	< 0.00025
Lithium	mg/L	0.0055 J	NA	NA	NA	NA	0.0021 J	NA	NA	0.0031 J	0.0028 J	0.0030 J	0.0030 J	0.00290 J
Mercury	mg/L	< 0.00013	NA	NA	NA	NA	< 0.00013	NA	NA	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00012
Molybdenum	mg/L	0.0040 J	NA	NA	NA	NA	0.0020 J	NA	NA	0.0011 J	0.00072 J	0.00071 J	0.00080 J	<0.0025
Selenium	mg/L	< 0.0014	NA	NA	NA	NA	< 0.00096	NA	NA	< 0.00096	< 0.00096	< 0.00096	< 0.00096	0.0015 J
Thallium	mg/L	0.00063 J	NA	NA	NA	NA	< 0.00038	NA	NA	0.00053 J	0.00046 J	0.00063 J	0.00062 J	0.00058 J
Fluoride	mg/L	0.12	NA	NA	NA	NA	0.12	NA	NA	0.13	0.081 J	0.054 J	0.092 J	0.055 J
Additional Parameters														
Bicarbonate Alkalinity as CaCO3	mg/L	1400	1030	966	818	730	617	551	462	412	343	327	281	246
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Alkalinity as CaCO3	mg/L	1400	1030	966	818	730	617	551	462	412	343	327	281	246
Iron	mg/L	2.9	NA	NA	NA	NA	6.7	NA	NA	4.6	5.2	6.3	5.6	4.4
Magnesium	mg/L	14.2	NA	NA	NA	NA	15.9	NA	NA	20.2	21.1	20.5	18.5	17.5
Manganese	mg/L	6.6	NA	NA	NA	NA	9.2	NA	NA	11.1	13.3	11.5	10.1	12.8
Potassium	mg/L	12.1	NA	NA	NA	NA	13.2	NA	NA	8.6	7.6	6.8	5.9	7.1
Sodium	mg/L	586	NA	NA	NA	NA	193	NA	NA	163	125	90.5	78.8	62.1
Sulfide	mg/L	< 0.022	NA	NA	NA	NA	< 0.022	NA	NA	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022
Supplemental														
Oxidation Reduction Potential, Field	mV	-81.5	-74.3	-58.7	22.4	-92.0	-132.1	-101.8	-67.1	-42.8	-41.8	-47.9	-54.9	-34.7
pH, Field	SU	6.92	6.84	6.88	4.91	6.83	6.87	6.68	6.69	6.67	6.53	6.68	6.47	6.59
Dissolved Oxygen, Field	mg/L	0.07	0.12	1.13	5.85	0.18	0.19	0.12	0.19	0.28	0.09	0.05	0.43	0.30
Specific Conductance, Field	uS/cm	2865	2580	2475	0.45	2467	1863	2140	1797	1856	1759	1461	1415	1391
Temperature, Field	deg C	21.31	22.94	21.76	29.53	21.55	19.87	17.42	16.73	18.29	18.21	21.37	18.86	18.69
Turbidity, Field	NTU	1.76	2.73	1.64	1.20	0.95	4.05	1.31	4.08	1.54	4.96	4.48	0.21	3.13

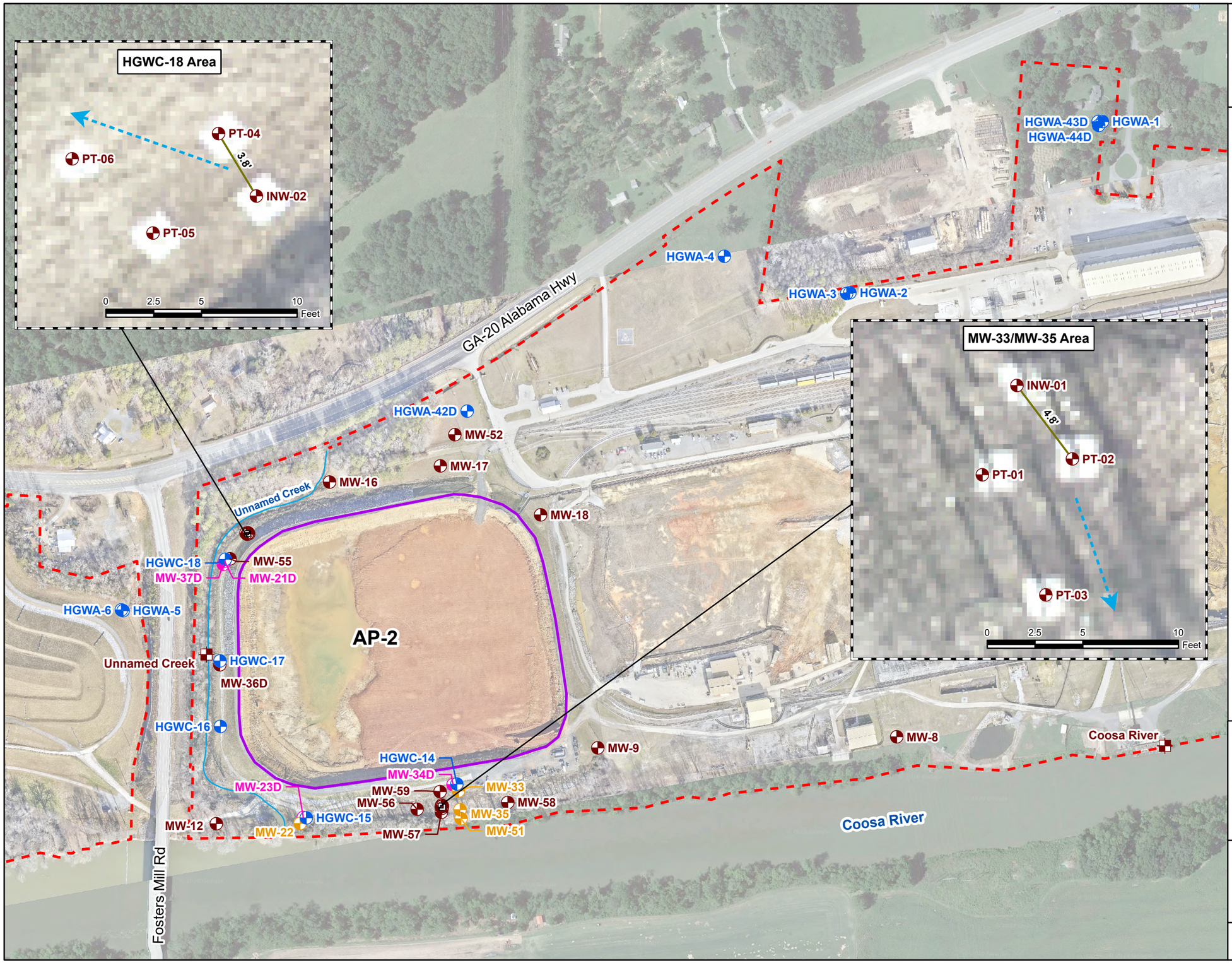
Table 5
Summary of Post-injection Performance Groundwater Analytical Data
Plant Hammond AP-2, Floyd County, Georgia

Pilot Study Area:		HGWC-18 Area												
Well ID:		PT-05	PT-05	PT-05	PT-05	PT-05	PT-05	PT-05	PT-05	PT-05	PT-05	PT-05	PT-05	PT-05
Sample Date:		09/19/2023	09/26/2023	10/03/2023	10/10/2023	10/24/2023	11/21/2023	12/20/2023	01/24/2024	02/20/2024	05/13/2024	08/15/2024	11/14/2024	02/03/2025
ANALYTE	Units													
APPENDIX III														
Boron	mg/L	2.5	4.6	3.7	3.8	4.4	3.6	4.5	4.9	5.1	5.3	5.3	5.9	6.1
Calcium	mg/L	87.4	NA	NA	NA	NA	108	NA	NA	186	167	147	166	171
Chloride	mg/L	49.5	NA	NA	NA	NA	97.9	NA	NA	99.1	104	95.8	90.5	95.3
Fluoride	mg/L	0.082 J	NA	NA	NA	NA	0.10	NA	NA	0.060 J	0.079 J	0.061 J	0.093 J	0.050 J
pH, Field	SU	6.79	6.74	6.93	6.62	6.80	6.90	7.00	6.84	6.70	6.62	6.99	6.80	6.78
Sulfate	mg/L	230	NA	NA	NA	NA	378	NA	NA	460	452	387	354	339
TDS	mg/L	3010	NA	NA	NA	NA	2310	NA	NA	1740	1600	1400	1340	2350
APPENDIX IV														
Antimony	mg/L	< 0.0012	NA	NA	NA	NA	< 0.00054	NA	NA	< 0.00054	< 0.00054	< 0.00054	< 0.00054	< 0.00050
Arsenic	mg/L	< 0.0037	NA	NA	NA	NA	< 0.00084	NA	NA	0.0025 J	< 0.00084	0.0023 J	0.00096 J	< 0.0012
Barium	mg/L	0.066	NA	NA	NA	NA	0.043	NA	NA	0.042	0.034	0.026	0.027	0.029
Beryllium	mg/L	< 0.000054	NA	NA	NA	NA	< 0.00047	NA	NA	< 0.000094	< 0.000094	< 0.000094	< 0.000094	< 0.00015
Cadmium	mg/L	0.00030 J	NA	NA	NA	NA	< 0.00010	NA	NA	0.00021 J	0.00010 J	< 0.00010	< 0.00010	< 0.00012
Chromium	mg/L	< 0.0011	NA	NA	NA	NA	< 0.0019	NA	NA	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0012
Cobalt	mg/L	0.0099	0.011 J	0.0089	0.0097 J	0.012 J	0.0070	0.0066	0.0069	0.014	0.012	0.0085	0.0099	0.012
Lead	mg/L	0.00015 J	NA	NA	NA	NA	< 0.00016	NA	NA	< 0.00016	< 0.00016	< 0.00016	< 0.00016	< 0.00025
Lithium	mg/L	0.0057 J	NA	NA	NA	NA	0.0035 J	NA	NA	0.0031 J	0.0032 J	0.0024 J	0.0025 J	0.00295 J
Mercury	mg/L	< 0.00013	NA	NA	NA	NA	< 0.00013	NA	NA	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00012
Molybdenum	mg/L	0.0034 J	NA	NA	NA	NA	0.0023 J	NA	NA	0.00097 J	0.00086 J	0.0010 J	0.00084 J	<0.0025
Selenium	mg/L	< 0.0014	NA	NA	NA	NA	< 0.00096	NA	NA	< 0.00096	< 0.00096	< 0.00096	< 0.00096	0.0018 J
Thallium	mg/L	< 0.00018	NA	NA	NA	NA	< 0.00038	NA	NA	< 0.00038	< 0.00038	< 0.00038	< 0.00038	0.00020 J
Fluoride	mg/L	0.082 J	NA	NA	NA	NA	0.10	NA	NA	0.060 J	0.079 J	0.061 J	0.093 J	0.050 J
Additional Parameters														
Bicarbonate Alkalinity as CaCO3	mg/L	2760	2200	2660	2300	1890	1560	1260	1060	795	766	623	473	401
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Alkalinity as CaCO3	mg/L	2760	2200	2660	2300	1890	1560	1260	1060	795	766	623	473	401
Iron	mg/L	0.34	NA	NA	NA	NA	0.32	NA	NA	0.21	0.40	0.77	0.74	0.68
Magnesium	mg/L	16	NA	NA	NA	NA	11.5	NA	NA	19.5	17.3	14.4	14.8	17.6
Manganese	mg/L	2.7	NA	NA	NA	NA	1.8	NA	NA	3.5	3.1	4.2	4.0	5.1
Potassium	mg/L	8.1	NA	NA	NA	NA	5.6	NA	NA	4.3	4.7	4.4	4.2	4.8
Sodium	mg/L	716	NA	NA	NA	NA	789	NA	NA	458	389	319	275	222
Sulfide	mg/L	< 0.022	NA	NA	NA	NA	< 0.022	NA	NA	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022
Supplemental														
Oxidation Reduction Potential, Field	mV	-16.8	-12.0	-1.9	-129.7	-34.6	-44.0	-97.5	0.10	14.9	23.9	-22.7	-4.2	-10.6
pH, Field	SU	6.79	6.74	6.93	6.62	6.80	6.90	7.00	6.84	6.70	6.62	6.99	6.80	6.78
Dissolved Oxygen, Field	mg/L	0.09	0.08	0.04	0.05	0.18	0.16	1.34	0.15	0.33	0.29	0.04	0.37	0.76
Specific Conductance, Field	uS/cm	3762	3880	3744	4390	3405	3040	3170	2509	2483	2445	1907	1853	1686
Temperature, Field	deg C	22.49	24.20	21.86	20.06	22.95	19.42	17.36	16.50	18.87	18.07	22.23	18.43	19.22
Turbidity, Field	NTU	4.97	4.98	4.12	3.86	4.86	4.54	1.14	0.73	0.75	2.11	0.80	0.05	0.81

Table 5
Summary of Post-injection Performance Groundwater Analytical Data
Plant Hammond AP-2, Floyd County, Georgia

Pilot Study Area:		HGWC-18 Area												
Well ID:		PT-06	PT-06	PT-06	PT-06	PT-06	PT-06	PT-06	PT-06	PT-06	PT-06	PT-06	PT-06	PT-06
Sample Date:		09/19/2023	09/26/2023	10/03/2023	10/10/2023	10/24/2023	11/21/2023	12/20/2023	01/24/2024	02/20/2024	05/13/2024	08/15/2024	11/14/2025	02/03/2025
ANALYTE	**Units**													
APPENDIX III														
Boron	mg/L	5.8	6.8	7.1	6.9	7.2	6.4	4.9	6.4	6.6	6.9	6.0	6.3	6.6
Calcium	mg/L	226	NA	NA	NA	NA	235	NA	NA	226	244	223	242	229
Chloride	mg/L	99.0	NA	NA	NA	NA	139	NA	NA	125	136	97.5	88.7	87.8
Fluoride	mg/L	0.065 J	NA	NA	NA	NA	< 0.050	NA	NA	< 0.050	0.063 J	< 0.050	0.077 J	< 0.050
pH, Field	SU	6.68	6.61	6.63	6.32	6.74	6.48	6.79	6.64	6.63	6.43	6.68	6.54	6.49
Sulfate	mg/L	460	NA	NA	NA	NA	537	NA	NA	498	505	408	361	374
TDS	mg/L	2120	NA	NA	NA	NA	1420	NA	NA	1530	1420	1290	1260	1180
APPENDIX IV														
Antimony	mg/L	< 0.0012	NA	NA	NA	NA	0.0017 J	NA	NA	< 0.00054	< 0.00054	< 0.00054	< 0.00054	< 0.00050
Arsenic	mg/L	< 0.018	NA	NA	NA	NA	0.0042 J	NA	NA	0.0052	0.0021 J	0.0043 J	0.0030 J	0.0018 J
Barium	mg/L	0.052	NA	NA	NA	NA	0.042	NA	NA	0.036	0.030	0.025	0.026	0.027
Beryllium	mg/L	< 0.00027	NA	NA	NA	NA	0.0014 J	NA	NA	< 0.000094	< 0.000094	< 0.000094	< 0.000094	< 0.00015
Cadmium	mg/L	0.00045 J	NA	NA	NA	NA	< 0.00010	NA	NA	0.00018 J	0.00015 J	0.00033 J	0.00011 J	0.00038 J
Chromium	mg/L	< 0.0055	NA	NA	NA	NA	< 0.0019	NA	NA	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0012
Cobalt	mg/L	0.029	0.034 J	0.033	0.034 J	0.037 J	0.033	0.020	0.020	0.028	0.028	0.023	0.022	0.025
Lead	mg/L	< 0.00012	NA	NA	NA	NA	< 0.00016	NA	NA	< 0.00016	< 0.00016	< 0.00016	< 0.00016	< 0.00025
Lithium	mg/L	0.0079 J	NA	NA	NA	NA	0.0034 J	NA	NA	0.0040 J	0.0038 J	0.0033 J	0.0033 J	0.00365 J
Mercury	mg/L	< 0.00013	NA	NA	NA	NA	< 0.00013	NA	NA	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00012
Molybdenum	mg/L	0.0024 J	NA	NA	NA	NA	< 0.00062	NA	NA	< 0.00062	< 0.00062	< 0.00062	< 0.00062	< 0.0025
Selenium	mg/L	< 0.0068	NA	NA	NA	NA	< 0.00096	NA	NA	< 0.00096	< 0.00096	< 0.00096	0.0012 J	0.0016 J
Thallium	mg/L	0.001	NA	NA	NA	NA	< 0.00038	NA	NA	0.00046 J	< 0.00038	0.00051 J	0.00051 J	0.00053 J
Fluoride	mg/L	0.065 J	NA	NA	NA	NA	< 0.050	NA	NA	< 0.050	0.063 J	< 0.050	0.077 J	< 0.050
Additional Parameters														
Bicarbonate Alkalinity as CaCO3	mg/L	1270	1070	863	772	767	225	827	610	451	342	407	335	294
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Alkalinity as CaCO3	mg/L	1270	1070	863	772	767	225	827	610	451	342	407	335	294
Iron	mg/L	1.2	NA	NA	NA	NA	3.4	NA	NA	1.4	0.94	2.1	1.9	1.5
Magnesium	mg/L	17.1	NA	NA	NA	NA	19.5	NA	NA	18.7	20.3	20.4	19.7	18.7
Manganese	mg/L	11.5	NA	NA	NA	NA	13.4	NA	NA	10.5	12.3	9.5	8.4	11.0
Potassium	mg/L	11.0	NA	NA	NA	NA	7.6	NA	NA	6.3	6.2	5.9	5.9	6.6
Sodium	mg/L	682	NA	NA	NA	NA	186	NA	NA	225	146	149	138	106
Sulfide	mg/L	< 0.022	NA	NA	NA	NA	< 0.022	NA	NA	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022
Supplemental														
Oxidation Reduction Potential, Field	mV	3.3	-23.2	-9.0	5.6	-5.9	-73.4	-81.5	25.9	-9.1	23.8	-6.6	-6.6	10.5
pH, Field	SU	6.68	6.61	6.63	6.32	6.74	6.48	6.79	6.64	6.63	6.43	6.68	6.54	6.49
Dissolved Oxygen, Field	mg/L	0.11	0.08	0.04	0.08	1.08	0.32	1.61	0.11	0.25	0.06	0.05	0.23	1.01
Specific Conductance, Field	uS/cm	2532	2700	2030	2538	2160	1662	2548	2095	2122	1934	1591	1582	1560
Temperature, Field	deg C	20.56	22.90	21.23	22.41	21.56	19.02	17.73	16.60	17.19	17.94	21.71	18.21	18.96
Turbidity, Field	NTU	0.31	0.6	2.65	4.44	2.75	2.57	0.25	4.39	4.46	2.06	1.68	0.81	1.45

FIGURES



N

LEGEND

- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well
- Piezometer (see Notes 1 and 2)
- Surface Water Level Gauge Point
- Approximate Groundwater Flow Direction
- Distance from Injection Well (in feet)
- Unnamed Creek
- Approximate AP-2 Boundary
- Plant Hammond Property Boundary

Notes:
1. Piezometers INW-01, INW-02, MW-55 through MW-59, and PT-01 through PT-06 were installed in support of an Assessment of Corrective Measures pre-design investigation and are not included in the monitoring well network.
2. INW-01 and INW-02 are temporary pilot study injection wells.
3. Aerial photograph source: Google Earth Pro August 2019 and Georgia Power Company, January 2024 and January 2025.

0 175 350 700

SCALE IN FEET

PILOT STUDY INJECTION AND PERFORMANCE MONITORING WELL LOCATIONS

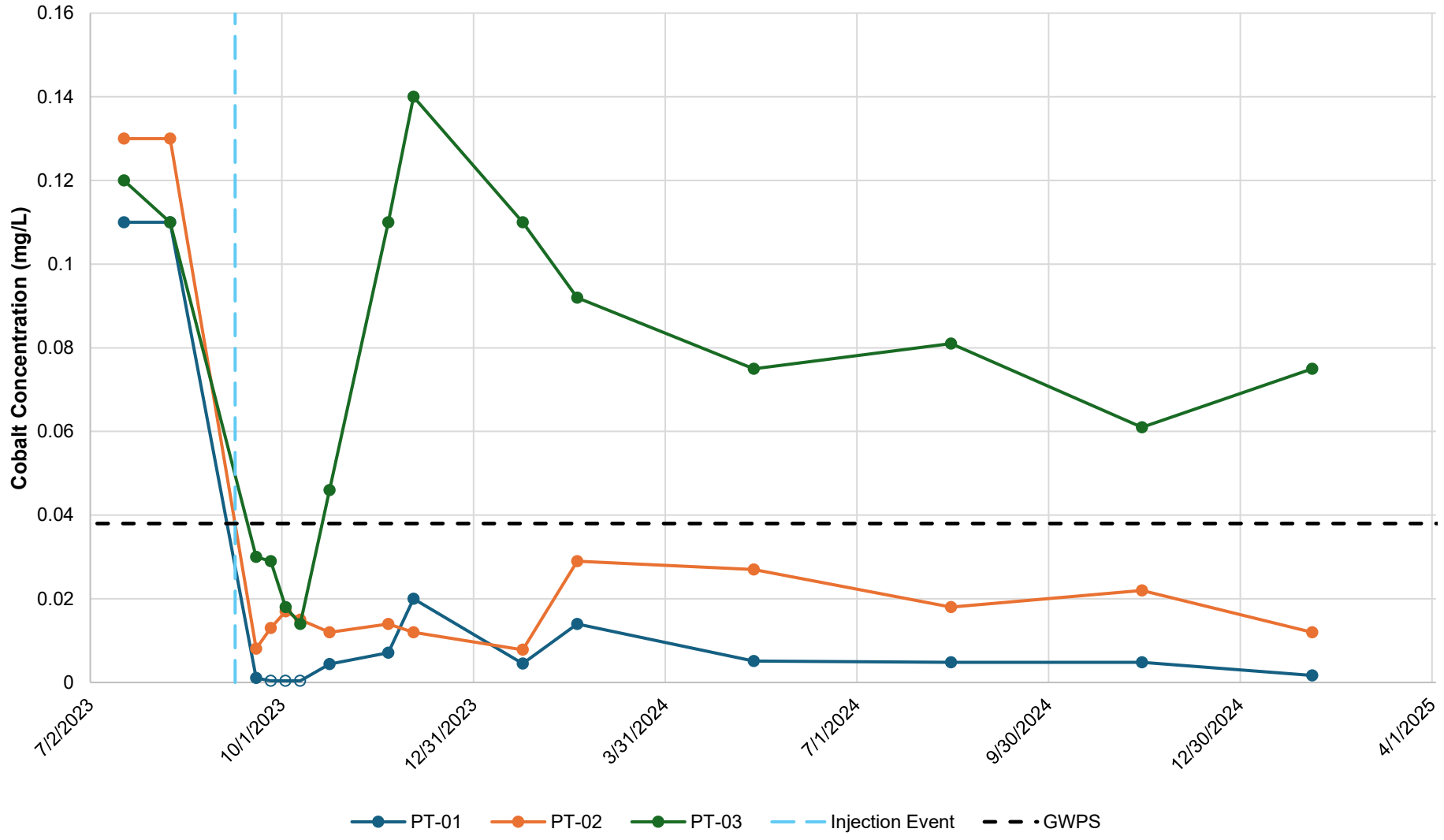
GEORGIA POWER COMPANY
PLANT HAMMOND AP-2
ROME, FLOYD COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

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FIGURE 1



Notes:
1. mg/L = milligrams per liter.
2. The Groundwater Protection Standard (GWPS) for cobalt is 0.038 mg/L.
3. Open symbols indicate the analyte was not detected and are reported at the method detection limit.

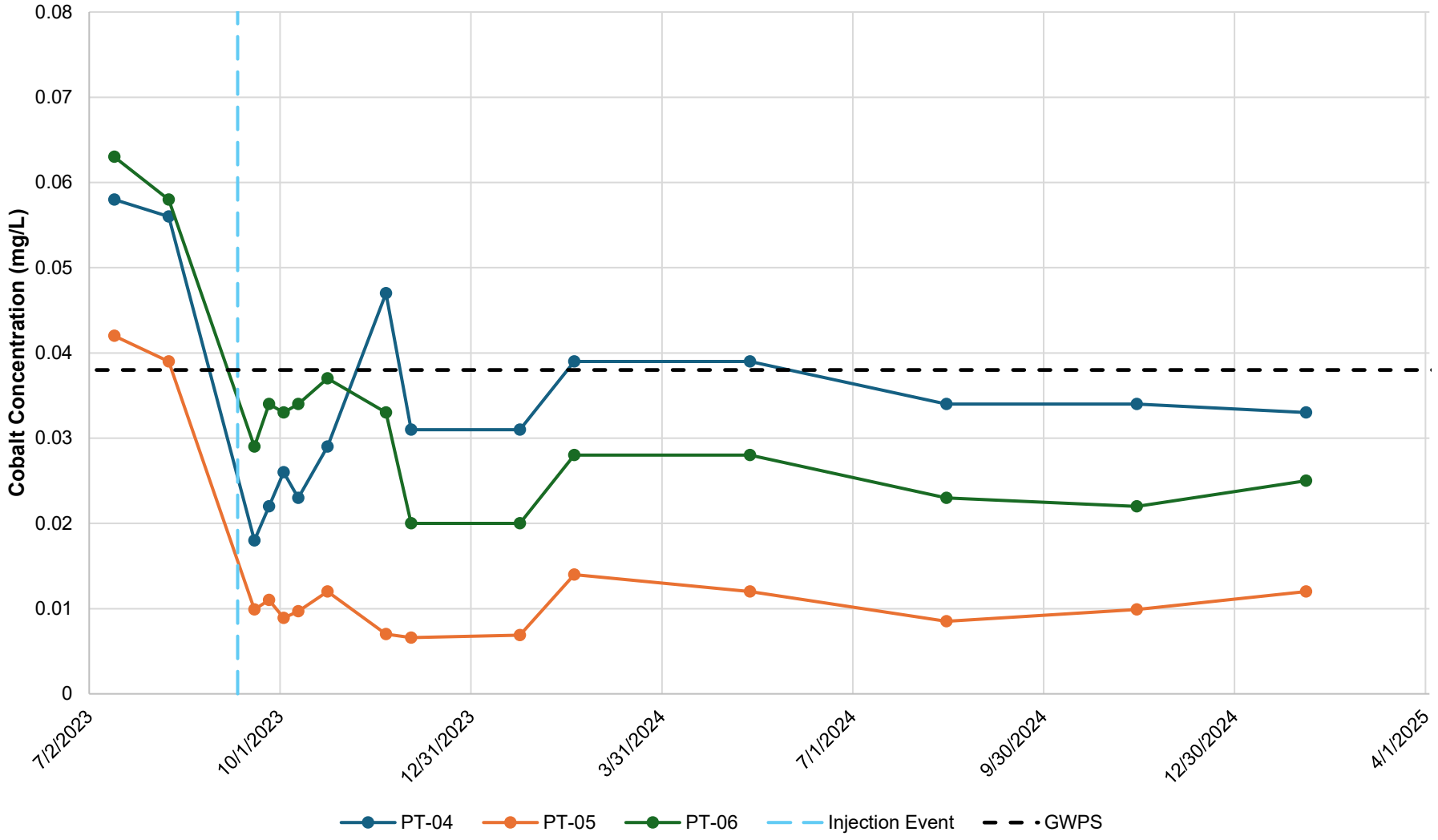
FIGURE 2A – MW-33/MW-35 AREA COBALT TIME SERIES

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Notes:
1. mg/L = milligrams per liter.
2. The Groundwater Protection Standard (GWPS) for cobalt is 0.038 mg/L.

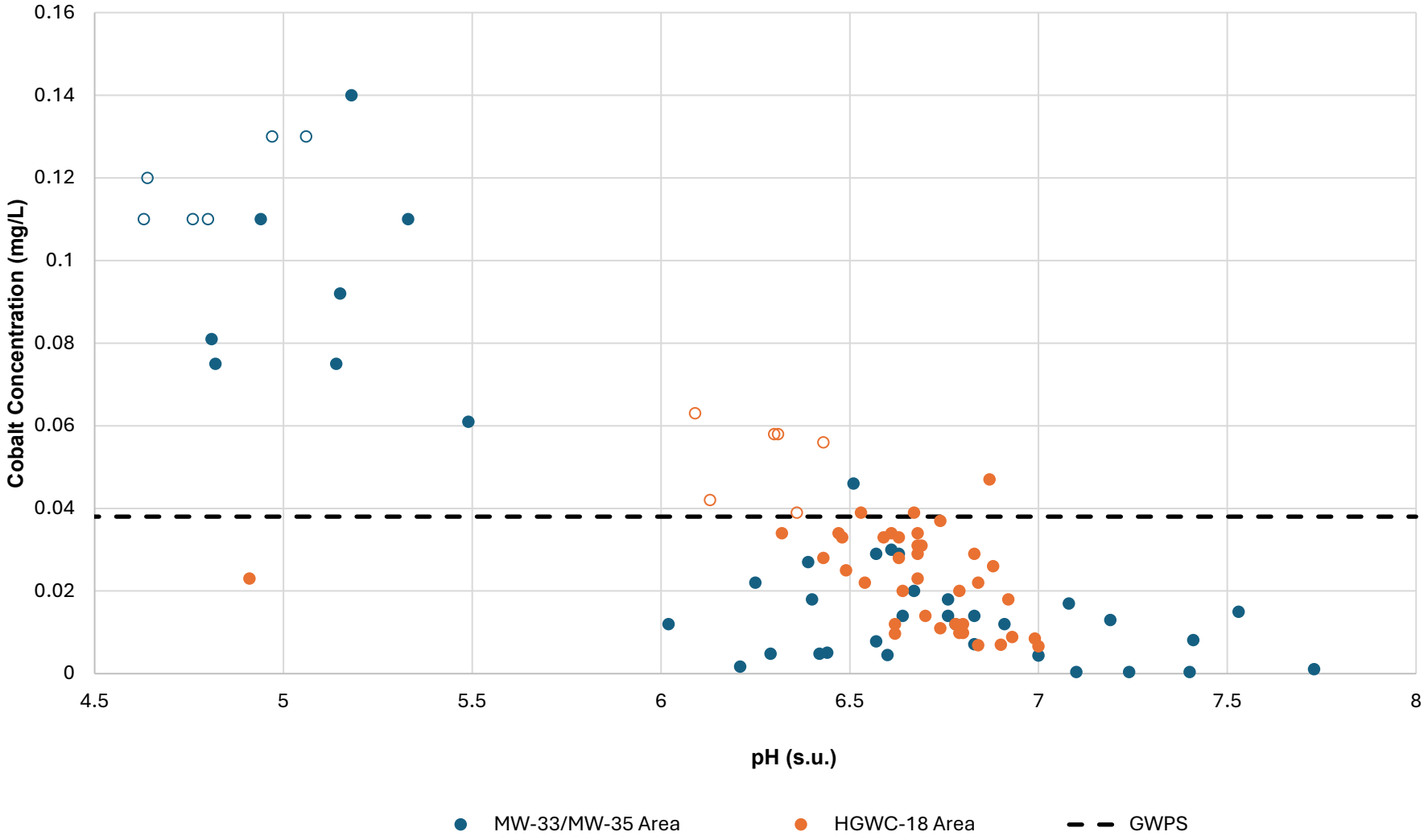
FIGURE 2B – HGWC-18 AREA COBALT TIME SERIES

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PLANT HAMMOND AP-2
ROME, FLOYD COUNTY, GEORGIA

PREPARED FOR: Georgia Power

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Notes:
1. mg/L = milligrams per liter; s.u. = standard unit.
2. The Groundwater Protection Standard (GWPS) for cobalt is 0.038 mg/L.
3. Open symbols indicate pre-injection baseline results.

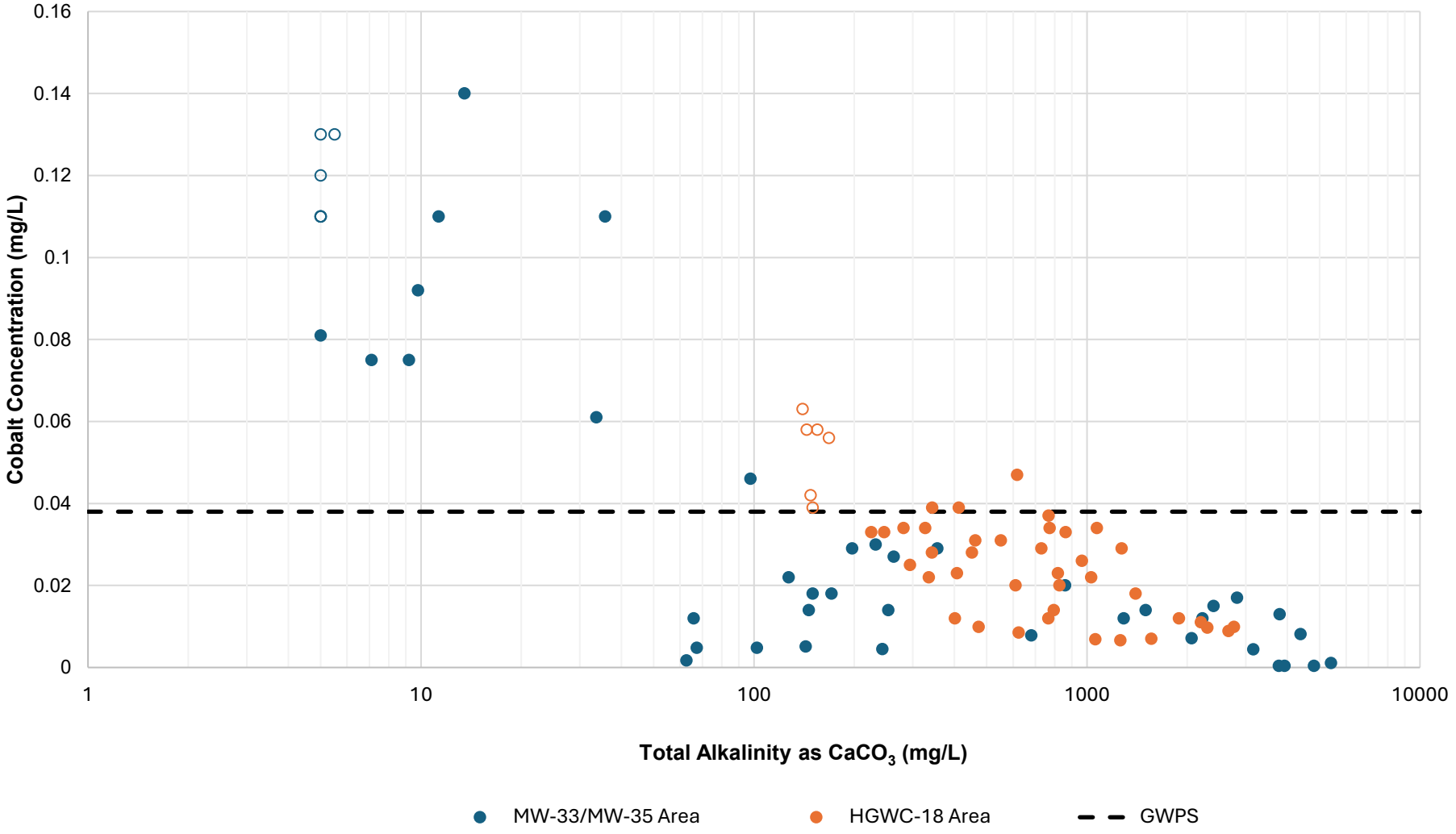
FIGURE 3 – COBALT CONCENTRATION VERSUS PH

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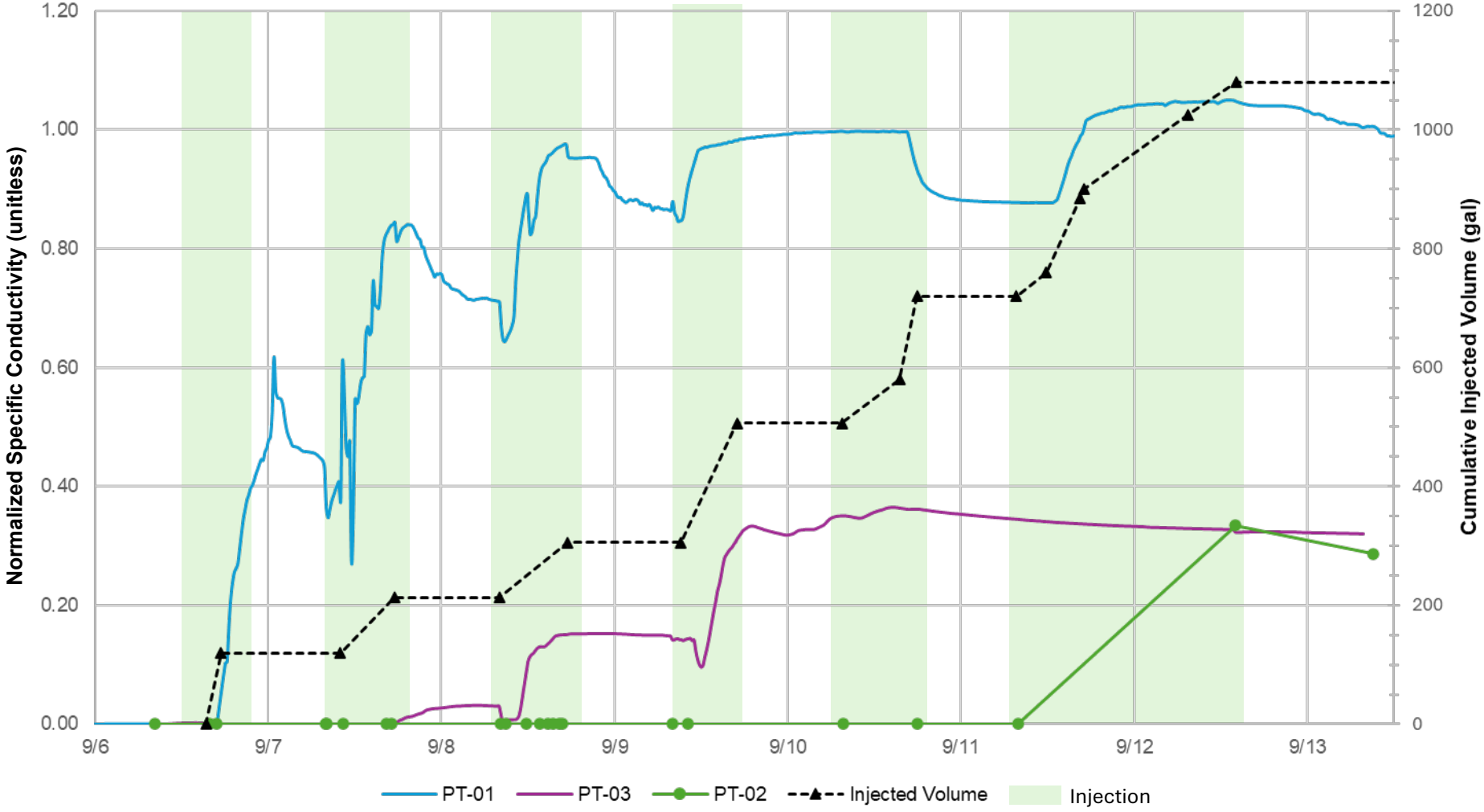
Notes:
1. mg/L = milligrams per liter
2. The Groundwater Protection Standard (GWPS) for cobalt is 0.038 mg/L.
3. Open symbols indicate pre-injection baseline results.

FIGURE 4 – COBALT CONCENTRATION VERSUS TOTAL ALKALINITY
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PLANT HAMMOND AP-2
ROME, FLOYD COUNTY, GEORGIA

PREPARED FOR: Georgia Power

PREPARED BY: Geosyntec consultants

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Notes:

1. Cumulative injected volume times are approximate, as gravity feed was allowed to continue overnight.
2. PT-01 and PT-03 specific conductivity was measured continuously using a transducer installed in the wells. PT-02 specific conductivity was measured from discrete grab samples.

$$C_N = \frac{C - C_{bg}}{C - C_{bg}}$$

Where:

C_N = normalized specific conductivity
C = measured specific conductivity
C_{bg} = background specific conductivity
C_s = injectate specific conductivity

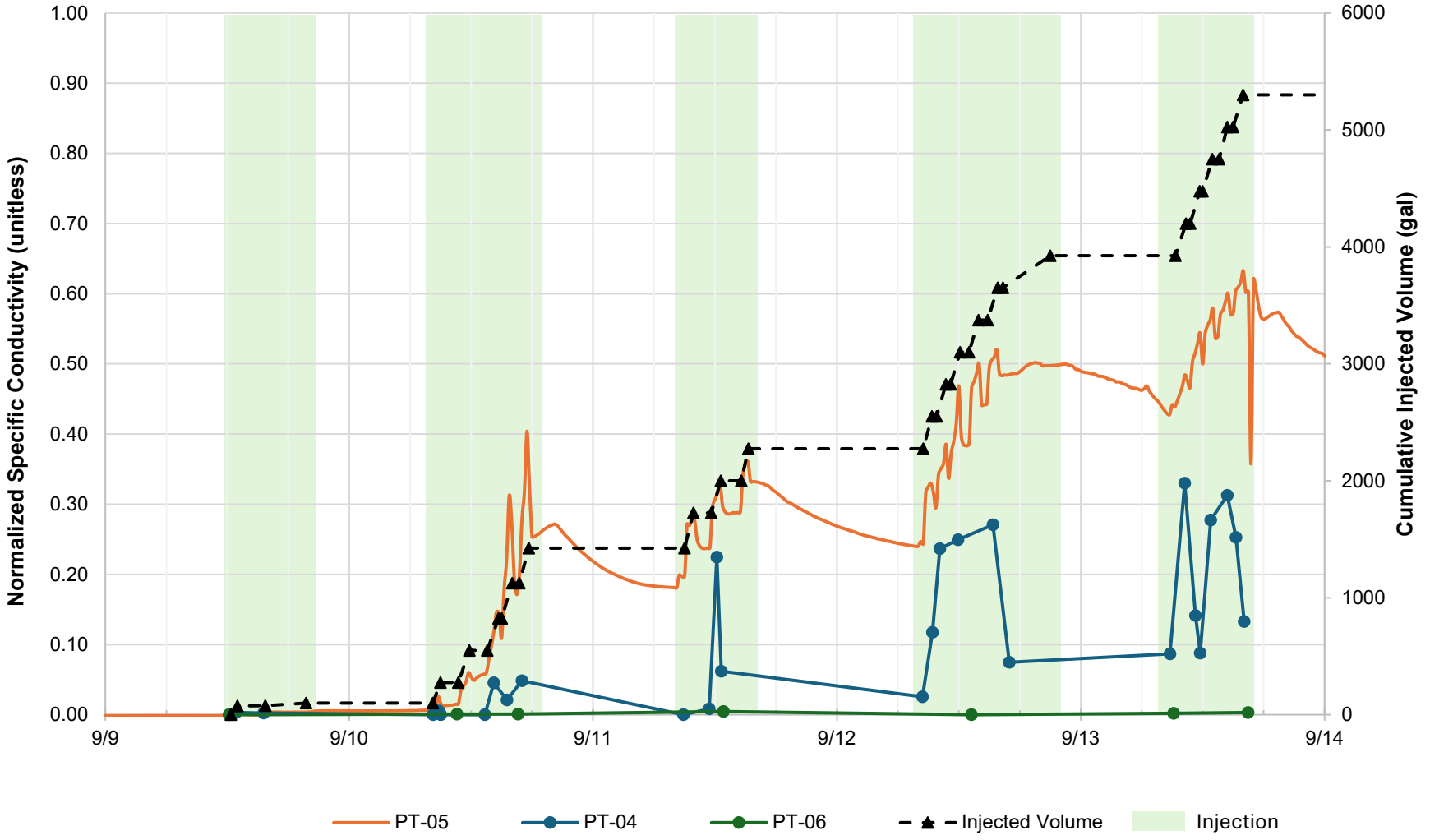
FIGURE 5A – MW-33/MW-35 AREA NORMALIZED SPECIFIC CONDUCTIVITY AND CUMULATIVE INJECTED VOLUME TIME SERIES
GEORGIA POWER COMPANY
PLANT HAMMOND AP-2
ROME, FLOYD COUNTY, GEORGIA

PREPARED FOR: Georgia Power

PREPARED BY: Geosyntec consultants

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AUGUST 2025



Notes:

1. 1. PT-05 specific conductivity was measured continuously using a transducer installed in the well. PT-04 and PT-06 specific conductivity was measured from discrete grab samples.

$$C_N = \frac{C - C_{bg}}{C - C_{bg}}$$

Where:

C_N = normalized specific conductivity
C = measured specific conductivity
C_{bg} = background specific conductivity
C_s = injectate specific conductivity

FIGURE 5B – HGWC-18 AREA NORMALIZED SPECIFIC CONDUCTIVITY AND CUMULATIVE INJECTED VOLUME TIME SERIES
GEORGIA POWER COMPANY
PLANT HAMMOND AP-2
ROME, FLOYD COUNTY, GEORGIA

PREPARED FOR: Georgia Power

PREPARED BY: Geosyntec consultants

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AUGUST 2025

APPENDIX A

Pilot Study Post-Injection Event Report, Plant Hammond Ash Pond 2

Prepared for

Georgia Power Company
241 Ralph McGill Blvd NE
Atlanta, Georgia 30308

PILOT STUDY POST-INJECTION EVENT REPORT

PILOT TEST NO. UPT000063
PLANT HAMMOND ASH POND 2 (AP-2)

Prepared by

engineers | scientists | innovators

1255 Roberts Boulevard, Suite 200
Kennesaw, Georgia 30144

Project Number GW6581G

October 2023

Geosyntec
consultants

CERTIFICATION STATEMENT

I hereby certify that this *Pilot Study Post-Injection Event Report* was prepared by, or under the direct supervision of, a Qualified Groundwater Scientist, in accordance with the Georgia Environmental Protection Division Rules of Solid Waste Management. According to 391-3-4-.01, a Qualified Groundwater Scientist is "a professional engineer or geologist registered to practice in Georgia who has received a baccalaureate or post-graduate degree in the natural sciences or engineering and has sufficient training and experience in groundwater hydrology and related fields that enable individuals to make sound professional judgments regarding groundwater monitoring, contaminant fate and transport, and corrective action." The design presented within this workplan was developed in compliance with the Georgia Rules of Solid Waste Management, Chapter 391-3-4.10.



_____ October 20, 2023

Whitney B. Law — Date

Georgia Professional Engineer No. 36641

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Figure 2 Pilot Study Injection and Performance Monitoring Well Locations

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Appendix A Well Design, Installation, and Development Report – Addendum No. 6
Appendix B Baseline Analytical Laboratory Results and Field Sampling Forms
Appendix C Injection Field Forms

LIST OF ACRONYMS

ACM	Assessment of Corrective Measures
AP-2	Ash Pond 2
Cascade	Cascade Drilling, Inc.
CCR	coal combustion residual
CFR	Code of Federal Regulations
Co	cobalt
DO	dissolved oxygen
ft	feet
g/L	grams per liter
gal	gallons
gpd	gallons per day
gpm	gallons per minute
GA EPD	Georgia Environmental Protection Division
Georgia Power	Georgia Power Company
Geosyntec	Geosyntec Consultants, Inc.
GWPS	Groundwater Protection Standard
IBC	intermediate bulk container
MNA	monitored natural attenuation
$NaHCO_3$	sodium bicarbonate
ORP	oxidation-reduction potential
psi	pounds per square inch
PVC	polyvinyl chloride
ROI	radius of influence
SSL	statistically significant level
UIC	Underground Injection Control
US EPA	United States Environmental Protection Agency

1. BACKGROUND AND OBJECTIVES

On behalf of Georgia Power Company (Georgia Power), this *Pilot Study Post-Injection Event Report* (Report) was developed by Geosyntec Consultants, Inc. (Geosyntec) at the request of the Georgia Environmental Protection Division (GA EPD) Wastewater Regulatory Program in their pilot test notification approval, dated August 24, 2023. In-situ geochemical injections, coupled with monitored natural attenuation (MNA), have been proposed as corrective measures to address concentrations of cobalt (Co) reported at statistically significant levels (SSLs) above Groundwater Protection Standards (GWPS) in detection monitoring well HGWC-18, and assessment monitoring wells MW-33 and MW-35 at Georgia Power Plant Hammond Ash Pond 2 (AP-2; Site).

Design of in-situ geochemical injection corrective measures includes multiple assessment and design components, including pilot studies to evaluate injection delivery and the performance of injectates prior to implementing a full scale remedy. These pilot tests will collect data that will be used to evaluate:

1. Radius of influence (ROI) of the injected amendment to evaluate future injection point spacing requirements;

2. Sustainable injection pressure and flowrate; and

3. Injectate dosing and efficacy of treating Co in groundwater to below the GWPS.

This Report summarizes the well installation activities completed in June 2023, baseline sampling activities completed in July and August 2023, and injection activities completed in September 2023. These field activities were conducted in accordance with the *HGWC-18 Pilot Study Workplan* and the *MW-33 and MW-35 Pilot Study Workplan* (collectively referred to herein as "Workplans") associated with the Underground Injection Control (UIC) Pilot Test Notification Form. In accordance with the pilot test notification approval letter, an updated technical report should be provided to the UIC Program within 45 days of initiating the pilot test.

1.1 Site Background

Plant Hammond, shown on **Figure 1**, is located in Floyd County, approximately 10 miles west of Rome, Georgia. Plant Hammond was a four-unit, coal-fired electric generating facility and was retired on July 29, 2019. The physical address of the plant is 5963 Alabama Highway, Rome, Georgia, 30165.

AP-2 is one of four coal combustion residual (CCR) ponds utilized over the course of power generation at Plant Hammond. AP-2 is a 21-acre surface impoundment located near the center of Plant Hammond and was used primarily as a dewatering facility for fly ash and bottom ash. AP-2 closure activities, consisting of closure by removal, have been initiated under GA EPD's approved closure permit No. 057-024D(CCR).

As documented in the *Draft Remedy Selection Report* (Geosyntec, 2022), CCR groundwater monitoring-related activities are performed at AP-2 in accordance with the United States Environmental Protection Agency (US EPA) CCR Rule (federal CCR Rule) (40 Code of Federal Regulations [CFR] 257 Subpart D). The locations of AP-2 detection monitoring wells, assessment monitoring wells, and piezometers are shown on **Figure 2**.

Cobalt SSLs were identified at detection well HGWC-18 along the northwestern boundary of AP-2 and assessment monitoring wells MW-33 and MW-35 south of the boundary of AP-2 (**Figure 2**) as part of the assessment monitoring program. These SSLs have been horizontally and vertically delineated to levels below the GWPS (Geosyntec, 2022).

As part of implementing the Assessment of Corrective Measures (ACM) process at AP-2, a high resolution site characterization was conducted from January 17 through February 6, 2023, to characterize and refine proposed treatment areas. The results are summarized in the Workplans (GEOS Submittal ID: 778374). The information collected informed the pilot study summarized in this Report.

2. WELL INSTALLATION

Two injection wells (INW-01 and INW-02) and six performance monitoring wells (PT-01 through PT-06) were installed in accordance with the Workplans in June 2023. The locations are shown on **Figure 2** and the well construction details are provided in **Table 1.** Actual screen interval elevations varied by less than 4.8 feet (ft) from the originally proposed depths based on field topographic variations and lithology. A copy of the *Well Design, Installation, and Development Report – Addendum No. 6* detailing the design, installation, and development of these wells is included in **Appendix A**.

Well drilling, installation, and surface completion activities were performed by Cascade Drilling, Inc. (Cascade) of Midland, North Carolina. The boreholes were advanced using rotosonic drilling techniques with continuous core collection. Terra Sonic compact crawler size track mounted rig with a 6-inch sonic drill rod was used to install the wells. Injection well top of casings were finished without a Schedule 40 polyvinyl chloride (PVC) 2-inch female threaded connections based on recommendations from the injection contractor (Cascade) for coupling with injection wellheads during injection activities.

3. BASELINE CHARACTERIZATION

Two rounds of groundwater samples were collected from the injection wells (INW-01 and INW-02) and performance monitoring wells (PT-01 through PT-06) in July and August 2023 to establish pre-injection baseline conditions.

Groundwater samples and water quality field parameters (i.e., pH, conductivity, dissolved oxygen [DO], temperature, and oxidation-reduction potential [ORP]) were collected using low-flow sampling procedures in accordance with the current AP-2 *Groundwater Monitoring Plan* (Geosyntec, 2023a) and the Workplans. Groundwater samples were placed in ice-packed coolers and submitted to Pace Analytical Services, LLC (Pace Analytical) in Peachtree Corners, Georgia, following chain-of-custody protocol. Samples were analyzed for Appendix III and IV constituents, and select geochemical parameters and metals in accordance with the Workplans to support evaluation of injectate efficacy. The results for the July and August 2023 sampling events are presented in **Table 2**. The analytical laboratory results and field sampling and equipment calibration forms are provided in **Appendix B**.

4. INJECTION ACTIVITIES

Injection activities were performed September 5-13, 2023, by Cascade with technical supervision conducted by Geosyntec. A staging and mixing area was established prior to injection. Three-hundred-gallon (gal) cone bottom mixing and storage tanks were set up within a secondary containment berm and spill kits were maintained on-site to manage any spills or daylighting. Injectate consisted of food grade sodium bicarbonate ($NaHCO_3$) obtained from TerraSystems, Inc. mixed with potable water obtained from an on-site fire hydrant that was designated in the Workplans.

Pre-determined quantities of $NaHCO_3$ were measured on a digital scale and combined with potable water in mix tanks. The injectate was mixed using a recirculation pump prior to injection, in accordance with the Workplan. Injectate was then transferred from the 300-gal mix tanks into 275-gal intermediate bulk container (IBC) totes which were transported to the injection wellheads. Injectate batches consisted of approximately 10 grams per liter (g/L) $NaHCO_3$, which is below the maximum allowable injectate concentration of 75 g/L $NaHCO_3$ set forth in the Workplans.

Injection pressures, flowrates, and water levels in nearby performance monitoring wells were measured throughout injection activities, and the daily maximum injection volume across both pilot study areas was below the value included in the Pilot Test Notification Form (2,400 gal per day [gpd]). A summary of daily injected volumes is included in **Table 3.** Field forms are included in **Appendix C**.

4.1 MW-33/35 Injection Area (South Area)

Injections at INW-01 (located west of MW-33 and MW-35 and south of AP-2, as shown on **Figure 2**) were initiated using two different methods. Initially, an IBC tote containing injectate was connected to a packer assembly installed on the injection wellhead which included a pressure gauge and flow totalizer. The tote was then raised above the injection well riser casing to initiate the injection and increase injection flowrate. Approximately 15 gal of potable water without $NaHCO_3$ was injected to verify instrumentation was functioning and no leaks were present in the injection system, followed by the injection of approximately 205 gal of injectate. During initiation of injection less than a gallon of injectate was observed daylighting through the injection well weephole. Spilled injectate was addressed in accordance with the Workplans, and no additional daylighting was observed.

Maximum observed flowrate and injection pressure using this methodology were approximately 1 gal per minute (gpm) and 4.4 pounds per square inch (psi), which were below the maximum proposed values included in the Pilot Test Notification Form[1]. Approximately 120 gal was injected at INW-01 using this method.

Due to low injection flowrates observed using the previously described methodology, gravity feed siphon injections were next employed. The packer assembly and pressure gage was removed from the wellhead and 1/4-inch diameter polyethylene tubing connected to the injectate tote was lowered to the approximate mid-point of the well screen. A peristaltic pump was used to establish a siphon and start the gravity feed injection. A water level meter was used to measure water levels in the injection well in lieu of a pressure gage. Flowrates were estimated by observing changes in injectate levels in the tote over time, as flowrates were below the accurate range of the flow totalizer. Flowrates observed using this method were typically less than 0.3 gpm with less than 3 ft of mounding observed in INW-01. Approximately 960 gal of injectate was injected at INW-01 over the course of six days in this manner, for a total of 1,080 gal during the injection event.

4.2 HGWC-18 Injection Area (West Area)

Injections at INW-02 (located northeast of HGWC-18 and west of AP-2, as shown on **Figure 2**) were implemented using similar means and methods as employed at INW-01. Consistent with injections at INW-01, gravity feed injections were sufficient to deliver the necessary reagent. Therefore, water levels in the injection well were monitored in lieu of a wellhead pressure gauge. A ¾-inch diameter hose was lowered to the midpoint of INW-02 and injection was initiated by opening the valve on the injection tote staged on the ground by the wellhead[2]. As such, water levels in the injection well were monitored using a water level meter rather than relying on a pressure gage. The maximum flowrate and mounding at INW-02 (6.7 gpm and 7.6 ft above pre-injection levels[3], respectively) were established by raising the injection tote above the ground surface using a telehandler. Approximately 5,225 gal of injectate was injected at INW-02 over the course of five days.

[1] The proposed injection flowrate and pressure included in the Pilot Test Notification Form were 5 gpm and 8 psi, respectively.
[2] Gravity feed injections at INW-02 did not require siphoning or raising of the tote above wellhead as INW-02 is a flush-mount well.
[3] The maximum mounding at INW-02 is equivalent to a groundwater level 6.9 ft below ground surface.

5. POST-INJECTION PERFORMANCE MONITORING AND REPORTING

In accordance with the Workplans, groundwater quality data from each performance monitoring event will be directly compared against the Co GWPS and the results of the baseline characterization to evaluate the efficacy of $NaHCO_3$ as a method of remediation. In addition, Appendix IV monitoring parameters[4] will be analyzed and monitored over the duration of the pilot study to evaluate potential localized mobilization of other Appendix IV parameters following injections.

Post-injection performance monitoring was initiated on September 18, 2023, with groundwater samples collected from all performance monitoring wells. The monitoring frequency will be weekly[5] for four weeks, then monthly for a period of five months, and finally, quarterly for a period of one year for a maximum total duration of 1.5 years of performance monitoring.

Updates concerning the pilot study results will be reported to GA EPD Solid Waste Management Program as brief summaries included as part of semiannual groundwater monitoring and corrective action reporting. Links to these reports will be emailed to the GA EPD Wastewater Regulatory Program. A comprehensive technical memorandum will be prepared at the conclusion of the pilot study for inclusion in a semiannual groundwater monitoring report.

[4] Excluding radium.
[5] In accordance with the Workplans, monitoring frequency in the first month was increased from biweekly to weekly based on field observations.

6. REFERENCES

Georgia Environmental Protection Division (GA EPD), Georgia Department of Natural Resources, 1991. *Manual for Groundwater Monitoring*. September 1991.

Geosyntec, 2022. *Draft Remedy Selection Report, Georgia Power Company, Plant Hammond Ash Pond 2 (AP-2).* August 2022.

Geosyntec, 2023a. *Groundwater Monitoring Plan – Plant Hammond Ash Pond 2 (AP-2)*. July 2023, revision 2.

Geosyntec, 2023b. *HGWC-18 Pilot Study Workplan, Plant Hammond Ash Pond 2 (AP-2).* August 2023.

Geosyntec, 2023c. *MW-33 and MW-35 Pilot Study Workplan, Plant Hammond Ash Pond 2 (AP-2).* August 2023.

TABLES

Table 1
Summary of Well Construction Details
Plant Hammond AP-2, Floyd County, Georgia

Pilot Study Area	Well ID	Well Completion	Installation Date	Northing [1]	Easting [1]	Ground Surface Elevation [2] (ft)	Top of Casing Elevation [2] (ft)	Top of Screen Elevation (ft)	Bottom of Screen Elevation (ft)	Well Depth (ft bgs) [3]	Screen Interval Length (ft)
South Area	***Injection Well***										
	INW-01	Protective Riser	6/16/2023	1547921.52	1938350.62	571.04	573.90	561.04	551.04	20.30	10
	Performance Monitoring Well										
	PT-01	Protective Riser	6/17/2023	1547916.85	1938348.81	571.14	574.13	561.24	551.24	20.20	10
	PT-02	Protective Riser	6/16/2023	1547917.68	1938353.52	571.10	574.06	561.10	551.10	20.30	10
	PT-03	Protective Riser	6/17/2023	1547910.57	1938352.13	571.10	574.09	559.10	549.10	22.30	10
West Area	***Injection Well***										
	INW-02	Flush Mount	6/6/2023	1548915.00	1937643.89	580.78	580.56	555.78	545.78	35.30	10
	Performance Monitoring Well										
	PT-04	Flush Mount	6/6/2023	1548918.26	1937641.91	580.50	580.26	556.70	546.70	34.10	10
	PT-05	Flush Mount	6/12/2023	1548913.06	1937638.48	580.83	580.54	555.73	545.73	35.40	10
	PT-06	Flush Mount	6/7/2023	1548916.95	1937634.25	580.68	580.36	555.18	545.18	35.80	10

Notes:
ft = feet
ft bgs = feet below ground surface.
(1) Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Survey was completed by GEL Solutions and certified July 17, 2023, and August 30, 2023.
(2) Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988. Ground surface elevation defined at the survey nail installed within the well pad. Survey was completed by GEL Solutions and certified July 17, 2023, and August 30, 2023.
(3) Total well depth accounts for 0.3 ft sump.

Table 2
Summary of Baseline Groundwater Analytical Data
Plant Hammond AP-2, Floyd County, Georgia

	Pilot Study Area:	South Area								West Area							
	Well ID:	INW-01	INW-01	PT-01	PT-01	PT-02	PT-02	PT-03	PT-03	INW-02	INW-02	PT-04	PT-04	PT-05	PT-05	PT-06	PT-06
	Sample Date:	7/19/2023	8/9/2023	7/18/2023	8/9/2023	7/18/2023	8/9/2023	7/18/2023	8/9/2023	7/14/2023	8/9/2023	7/14/2023	8/9/2023	7/14/2023	8/9/2023	7/14/2023	8/9/2023
	Parameter [1,2,3]																
APPENDIX III	Boron	8.7	8.0	8.1	7.9	8.3	8.4	8.2	8.7	7.1	6.3	7.8	7.8	7.5	7.2	7.8	7.2
	Calcium	397	409	370	326	379	276	382	360	306	306	297	287	287	370	319	300
	Chloride	210	207	147	141	174	138	138	113	153	135	153	132	166	145	156	140
	Fluoride	0.34	0.19	0.70	0.56	0.47	0.67	0.84	0.77	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
	pH (s.u.)	5.18	5.80	4.63	4.76	4.97	5.06	4.64	4.80	6.27	6.41	6.30	6.43	6.13	6.36	6.09	6.31
	Sulfate	975	763	892	762	938	767	948	778	532	457	535	458	564	479	542	473
	TDS	2000	1890	1700	1820	1830	1800	2690	1750	1460	1350	1310	1320	1520	1480	1330	1420
APPENDIX IV	Antimony	<0.0012	<0.0012	<0.0012	<0.0012	0.0013 J	<0.0012	0.0029 J	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012
	Arsenic	0.0061 J	<0.0037	0.0075 J	0.0052 J	0.0063 J	0.0051 J	0.0076 J	0.0056 J	0.0057 J	0.0054 J	0.0077 J	0.0081 J	<0.0037	<0.0037	<0.0037	<0.0037
	Barium	0.069	0.053	0.046	0.037	0.054	0.045	0.025	0.021	0.070	0.042	0.048	0.039	0.045	0.040	0.037	0.032
	Beryllium	0.0010	0.00059	0.0024	0.0021	0.0016	0.0022	0.0026	0.0024	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054
	Cadmium	0.00059	<0.00011	0.00099	0.0010	0.00091	0.00092	0.00062	0.00055	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	0.00025 J
	Chromium	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	0.0011 J	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011
	Cobalt	0.13	0.11	0.11	0.11	0.13	0.13	0.12	0.11	0.060	0.050	0.058	0.056	0.042	0.039	0.063	0.058
	Fluoride	0.34	0.19	0.70	0.56	0.47	0.67	0.84	0.77	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
	Lead	0.00037 J	<0.00012	0.00072 J	<0.00060	0.00043 J	0.00071 J	0.0014	0.0020 J	<0.00012	<0.00012	<0.00012	<0.00012	<0.00012	<0.00012	<0.00012	<0.00012
	Lithium	0.0064 J	0.0036 J	0.0052 J	0.0039 J	0.0069 J	0.0043 J	0.0031 J	0.0023 J	0.0057 J	0.0038 J	0.005 J	0.0047 J	0.005 J	0.0049 J	0.0057 J	0.0055 J
	Mercury	<0.00013	<0.00013	0.00023	0.00014 J	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013
	Molybdenum	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074
	Selenium	0.0075	0.011	0.011	0.020	0.0075	0.021	0.011	0.021	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014
	Thallium	<0.00018	<0.00018	<0.00018	<0.00090	<0.00018	<0.00090	0.00021 J	<0.00090	0.00037 J	0.00045 J	<0.00018	0.00027 J	<0.00018	<0.00018	0.00049 J	0.00064 J
INORGANICS	Alkalinity (Bicarbonate as CaCO3)	14.9	46.5	<5.0	<5.0	5.5	<5.0	<5.0	<5.0	159	166	155	168	148	150	140	144
	Alkalinity (Carbonate as CaCO3)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Alkalinity (total) as CaCO3	14.9	46.5	<5.0	<5.0	5.5	<5.0	<5.0	<5.0	159	166	155	168	148	150	140	144
	Sodium	10.0	12.5	8.8	10.6	9.3	9.8	11.7	14.7	11.1	12.9	12.2	11.4	10.6	11.8	13.6	15.3
	Sulfide	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	0.031 J	<0.022	<0.022	<0.022	<0.022
METALS	Iron	2.9	12.3	0.078	<0.025	0.44	0.39	0.26	0.59	10.7	9.4	16.0	13.2	1.2	1.6	6.6	5.8
	Magnesium	52.3	58.4	38.2	39.0	44.0	37.2	36.9	35.1	25.8	27.0	24.1	24.3	26.7	26.5	25.6	26.1
	Manganese	14.4	20.7	9.6	10.3	12.6	11.5	8.2	7.5	16.0	13.3	17.8	17.0	11.4	10.7	18.0	17.4
	Potassium	5.4	6.2	5.2	6.5	5.2	6.5	5.4	6.6	6.0	6.6	7.2	7.6	4.5	5.0	6.6	7.3
FIELD	Dissolved Oxygen	0.51	0.21	0.46	0.26	0.99	0.22	0.11	0.23	0.08	0.06	0.08	0.06	0.09	0.07	0.10	0.02
	Oxidation-Reduction Potential (mV)	37.1	-51.9	131.8	91.2	148.3	73.6	110.2	54.5	-52.1	26.3	-70.5	16.5	7.9	82.3	-19.2	99.4
	Temperature (°C)	20.49	23.92	22.09	21.01	31.50	21.81	21.13	20.48	22.77	21.02	21.83	20.65	23.73	21.96	22.95	21.23
	Specific Conductance (µS/cm)	2297	2169	1954	1959	2156	1993	2031	1953	1711	1640	1715	1656	1727	1710	1683	1612
	pH (s.u.)	5.18	5.80	4.63	4.76	4.97	5.06	4.64	4.80	6.27	6.41	6.30	6.43	6.13	6.36	6.09	6.31
	Turbidity (NTU)	3.05	0.42	3.21	0.89	3.98	0.40	3.74	0.70	1.44	0.00	2.84	0.04	4.76	4.81	2.77	2.30

Notes:
< = Indicates the parameter was not detected above the analytical method detection limit (MDL).
°C = degrees Celsius
J = Indicates the parameter was estimated and detected between the MDL and the reporting limit (RL).
µS/cm = microsiemens per centimeter
mV = millivolts
NTU = nephelometric turbidity units
s.u. = standard units
TDS = Total dissolved solids
(1) Appendix III/IV parameter per 40 CFR 257 Subpart D. Analysis of combined radium omitted from the pilot study monitoring program. Unless otherwise indicated, parameters are reported in units of milligrams per liter (mg/L).
(2) Metals were analyzed by EPA Method 6010D, 6020B, and 7470A, anions were analyzed by EPA Method 300.0, TDS was analyzed by SM2540C-2015, and combined radium 226/228 by EPA Methods 9315/9320.
(3) The pH value presented was recorded at the time of sample collection in the field.

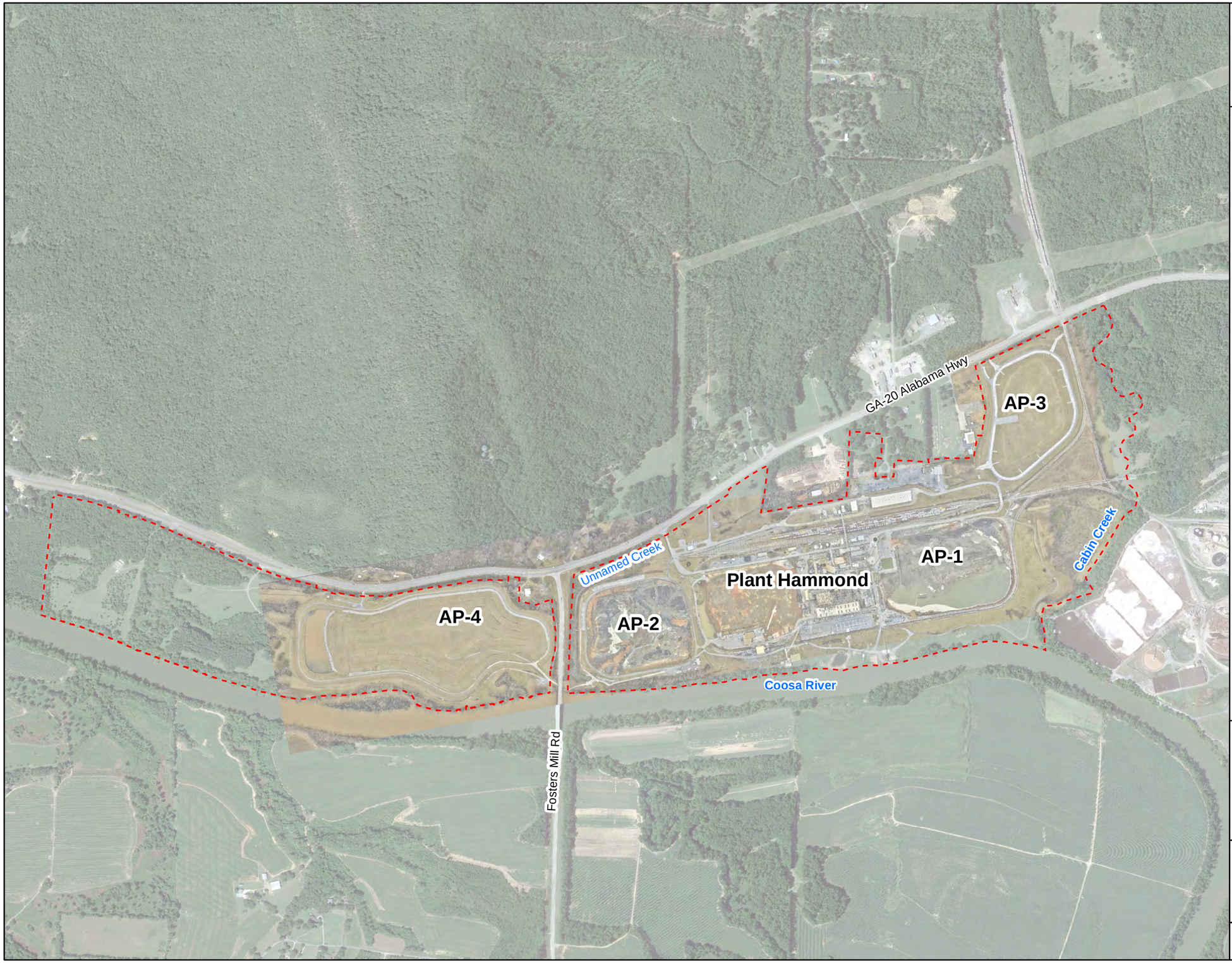
Table 3

Summary of Daily Injection Volumes
Plant Hammond AP-2, Floyd County, Georgia

Date	Daily Injection Volume (gal)	
	INW-01 (South Area)	**INW-02 (West Area)**
09/06/2023	120	--
09/07/2023	93	--
09/08/2023	93	--
09/09/2023	200	175
09/10/2023	214	1,200
09/11/2023	180	825
09/12/2023	180	1,650
09/13/2023	--	1,375
TOTAL:	**1,080**	**5,225**

Notes:
-- = indicates no injections occurred on this date
gal = gallons

FIGURES



N

LEGEND

Plant Hammond Property Boundary



Note:
1. Aerial photograph source: Google Earth Pro, August 2019 and Georgia Power Company, February 2023.

0 625 1,250 2,500

SCALE IN FEET

SITE LOCATION MAP

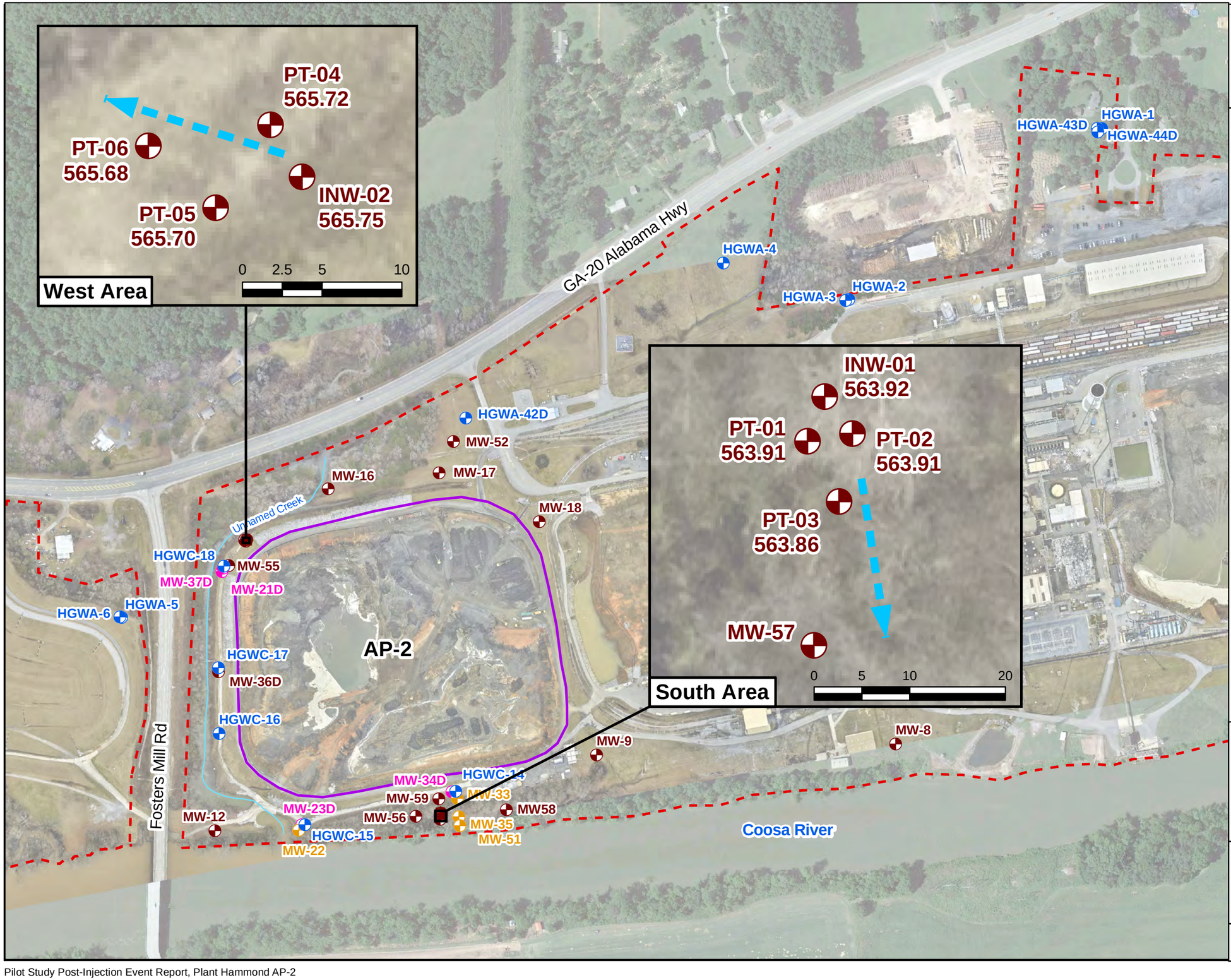
GEORGIA POWER COMPANY
PLANT HAMMOND AP-2
ROME, FLOYD COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | OCTOBER 2023

FIGURE 1



N

LEGEND

- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well
- Piezometer (See Note 2)
- Unnamed Creek
- Approximate Groundwater Flow Direction
- Approximate AP-2 Boundary
- Plant Hammond Property Boundary

Notes:
1. Piezometers INW-01, INW-02, MW-55 through MW-59, and PT-01 through PT-06 were installed in support of an Assesment of Corrective Measures (ACM) geochemical injections pilot study and are not included in the routine semiannual sampling of the monitoring well network.
2. Water level elevations presented for piezometers INW-01, INW-02, and PT-01 through PT-06 were recorded on August 9, 2023. Elevation provided in feet (ft) referenced to the North American Vertical Datum of 1988 (NAVD 88).
3. Aerial photograph source: Google Earth Pro, August 2019 and Georgia Power Company, February 2023.

0 150 300 600

SCALE IN FEET

PILOT STUDY INJECTION AND PERFORMANCE MONITORING WELL LOCATIONS

GEORGIA POWER COMPANY
PLANT HAMMOND AP-2
ROME, FLOYD COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | OCTOBER 2023

FIGURE 2

APPENDIX A

Well Design, Installation, and Development Report – Addendum No. 6

Prepared for

Georgia Power Company
241 Ralph McGill Blvd NE
Atlanta, Georgia 30308

WELL DESIGN, INSTALLATION, AND DEVELOPMENT REPORT - ADDENDUM No. 6

PLANT HAMMOND ASH POND 2 (AP-2)

Prepared by

engineers | scientists | innovators

1255 Roberts Boulevard, Suite 200
Kennesaw, Georgia 30144

Project Number GW6581E

October 2023

Georgia Power

CERTIFICATION PAGE

I hereby certify that this *Well Design, Installation, and Development Report – Addendum No. 6, Plant Hammond Ash Pond 2 (AP-2)* has been prepared by, or under the direct supervision of, a Qualified Groundwater Scientist with Geosyntec Consultants, Inc. and is in compliance with the United States Environmental Protection Agency Coal Combustion Residual Rule [40 Code of Federal Regulations 257 Subpart D], specifically §257.91(e)(1), and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10.

According to 391-3-4-.01, a Qualified Groundwater Scientist is "a professional engineer or geologist registered to practice in Georgia who has received a baccalaureate or post-graduate degree in the natural sciences or engineering and has sufficient training and experience in groundwater hydrology and related fields that enable individuals to make sound professional judgments regarding groundwater monitoring, contaminant fate and transport, and corrective action."



October 3, 2023

Christine Hug P.G. Date
Georgia Professional Engineer No. 36641
Project Manager
Geosyntec Consultants

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LIST OF ACRONYMS

AP	Ash Pond
ASTM	American Society for Testing and Materials
CCR	coal combustion residual
CFR	Code of Federal Regulations
CFS	Civil Field Services
DO	dissolved oxygen
GA EPD	Georgia Environmental Protection Division
Georgia Power	Georgia Power Company
NAD	North America Datum
NAVD	North American Vertical Datum
NSF	National Sanitation Foundation
ORP	oxygen reduction potential
PVC	polyvinyl chloride
SCS	Southern Company Services
TOC	top of casing
US EPA	United States Environmental Protection Agency

1. INTRODUCTION

This report provides details regarding the design, installation, and development of 13 (thirteen) piezometers[1] (PT-01 through PT-06, MW-55 through MW-59, and INW-01 and INW-02) to supplement the current groundwater monitoring system at Georgia Power Company (Georgia Power) Plant Hammond (Site) Ash Pond 2 (AP-2). The report was prepared as an addendum to previously submitted well design, installation, development and decommissioning reports issued for the Site (ERM, 2017, Geosyntec, 2019, 2020a, 2020b, 2021, and 2022), and meets the requirements promulgated in the United States Environmental Protection Agency (US EPA) coal combustion residual (CCR) rule [40 Code of Federal Regulations (CFR) Part 257, Subpart D], specifically 40 CFR §257.91(e)(1) and Georgia Environmental Protection Division (GA EPD) Rules for Solid Waste Management 391-3-4-.10.

Plant Hammond is located in Floyd County, approximately 10 miles west of Rome, Georgia. The current groundwater monitoring system at AP-2 includes a network of detection monitoring wells, assessment monitoring wells, and piezometers. The locations of these wells and piezometers are shown on **Figure 1**.

MW-55 through MW-59 were installed to characterize site conditions. INW-01 and INW-02 were installed as injection points for the pilot study injections in support of the Assessment of Corrective Measures program. PT-01 through PT-06 were installed to specifically monitor the performance of the pilot study injections.

[1] For the purposes of this report, unless otherwise specified, the term "well" will be used interchangeably with "piezometer".

2. DRILLING AND WELL INSTALLATION

Well installation and development activities were performed according to accepted industry standards and following guidelines within the Manual for Groundwater Monitoring (GA EPD, 1991). Well drilling, installation, and surface completion activities were performed by Cascade Drilling, Inc of Midland, North Carolina. In accordance with the Georgia Water Well Standards Act, the driller was required to have an insurance bond on file with the State of Georgia at the time of drilling. A copy of this bond is provided in **Appendix A**. A geologist under the supervision of a professional geologist (PG) registered to practice in the State of Georgia, both of whom are employed with Geosyntec Consultants (Geosyntec), documented the drilling and installation efforts to record observations, soil and rock descriptions, subsurface stratigraphy, water elevations, and other field activities. Geosyntec was also responsible for the development of the newly installed wells.

The locations of the new piezometers are shown on **Figure 1**. Well construction details are provided in **Table 1**; boring and well construction logs are included in **Appendix B**.

2.1 Drilling Method

The boreholes were advanced using rotosonic drilling techniques with continuous core collection. Terra Sonic compact crawler size track mounted rig with a 6-inch sonic drill rod was used to install the wells. Care was taken so that the drilling methods did not introduce contamination of the groundwater from surface activities. Drilling equipment was cleaned prior to mobilizing to the site.

2.2 Screened Interval

Details regarding the well screened intervals are provided in **Table 1**. The wells are screened in the uppermost water bearing unit of the Site. Screened elevations across the new wells range from approximately 566.78 to 545.18 feet (referenced to the North American Vertical Datum of 1988). All wells were constructed with a 10 foot well screen segment.

2.3 Well Casings and Screens

The wells were constructed of 2-inch inner diameter Schedule 40 polyvinyl chloride (PVC) casing with flush-threaded fittings. The wells were installed with a 10-foot nominal length pre-packed dual-wall well screen with 0.010-inch slots. The casing and

pre-packed screens arrived pre-cleaned and packaged by the manufacturer. The pre-packed well screens were constructed onsite by packing sand between slotted PVC and the well screen. Well construction materials are sufficiently durable to resist chemical and physical degradation and do not interfere with the quality of groundwater samples. Casing and screen are flush-threaded. Solvent or glue was not used to construct the well. A threaded bottom cap was attached to the bottom of each well screen. The PVC products used were American Society for Testing and Materials (ASTM) and National Sanitation Foundation (NSF) rated. Well screen interval details are provided in **Table 1**.

2.4 Well Intake Design

The wells were designed and constructed to: (1) allow sufficient groundwater flow to the well for sampling; (2) minimize the passage of formation materials (turbidity) into the well; and (3) ensure sufficient structural integrity to prevent collapse of the well. The annular space between the face of the formation and the screens was filled to minimize passage of formation materials into the well. A filter pack of clean, well-rounded, quartz sand was installed in each well. The 0.01-inch slot size was selected to minimize the inflow of formation material without impairing influent groundwater flow.

2.5 Filter Pack

Highly Pure Quartzite of Consolidated Aggregates Co. silica sand filter pack was used as the appropriate gradation for the wells. The filter pack material meets the ASTM D5092 uniformity coefficient specification of 2.5 or less, with a uniformity coefficient of 1.6.

Filter pack material was placed within the pre-packed dual-wall well screens and in the annular space between the outside of the pre-pack screen and borehole wall to ensure an adequate thickness of filter pack material between the wells and the formation. Placement of the filter pack between the borehole wall and PVC was placed via gravity-pouring. Filter pack material placed in the annular space outside of the well screens extended approximately 2 feet above the top of screens. No bridging occurred during filter pack placement at any of the well locations.

Upon placement of the filter pack, the wells were pumped with a submersible pump to assure settlement of the filter pack. The top of filter pack depth was measured following pumping to ensure appropriate extension of filter sand above the screens. The depth of top of filter pack was measured and recorded on the well construction logs provided in **Appendix B**.

2.6 Annular Seal

A minimum of two feet of bentonite chips (PelPlug uncoated 3/8-inch bentonite pellets) were placed immediately above the filter pack by gravity-pouring into the annular space and hydrated per manufacture's specifications. A tremie pipe was used to probe the annular space to ensure that no bridging occurred. The bentonite was hydrated with potable water for a duration meeting the manufacture's specifications prior to grouting the remaining annulus.

The annulus above the bentonite seal was grouted with AquaGuard bentonite grout placed via tremie pipe and direct pour methods from the top of the bentonite seal. During grouting, care was taken to assure that the bentonite seal was not disturbed by locating the base of the tremie pipe approximately 2 feet above the bentonite seal and injecting grout at low pressure/velocity. A cement apron 4-feet by 4-feet by 4-inches was poured around the protective risers at wells MW-56 through MW-59, PT-01 through PT-03, and INW-01. A cement apron 2-feet by 2-feet by 4-inches was poured around flush mount wells MW-55, PT-04 through PT-09, and INW-02. The pads were mounded slightly outward to direct surface drainage away from the well.

2.7 Cap and Protective Casing

The well risers at MW-56 through MW-59, PT-01 through PT-03, and INW-01 were fitted with a locking cap and a lockable cover. A one-quarter inch vent hole was drilled into the PVC riser pipe to provide an avenue for the escape of gas. A weep hole was drilled in the outer protective casing near the bottom above the concrete pad. Pea gravel was placed inside the protective casing between the riser pipe and the outer casing. The wells were clearly marked with the proper well identification number on the stand-up casing. The lockable cover guards the casing from damage and the locking caps serve as a security device to prevent well tampering. Bollards were installed around the four corners of the concrete pads to protect the wells at MW-56 through MW-59, and around the well cluster of PT-01 through PT-03 and INW-01.

MW-55, PT-04 through PT-09, and INW-02 were installed with flush-mounted well vaults and watertight flush-mounted well covers. The wells were clearly marked with the proper well identification number on a secured aluminum well tag on the manhole covers.

Construction details are documented on the well construction logs provided in **Appendix B**.

3. WELL DEVELOPMENT

The wells were developed using a combination of surging and pumping to (1) restore the natural hydraulic conductivity of the formation, and (2) to remove fine-grained sediment to ensure low-turbidity groundwater samples. The wells were alternately surged and purged until visually clear of particulates. Turbidity, pH, temperature, conductivity, oxidation-reduction potential (ORP), and dissolved oxygen (DO) measurements were recorded to ensure that each well was fully developed. The well development field forms are included in **Appendix C**.

4. SURVEY

Upon completion of the well installations, select horizontal locations and vertical elevations were surveyed by a Georgia-licensed surveyor. The top of the PVC well casing [top of casing (TOC) elevation] and the survey pin installed at the well pad were surveyed to within 0.5-foot horizontal accuracy and to 0.01-foot vertical accuracy. The horizontal location (i.e., northings and eastings) was recorded in feet relative to the North America Datum of 1983 (NAD) with the vertical elevation recorded in feet relative to the North American Vertical Datum of 1988. Certified survey data are provided in the well construction table (**Table 1**). A copy of the certified well survey data for the new wells are provided in **Appendix D**.

5. REFERENCES

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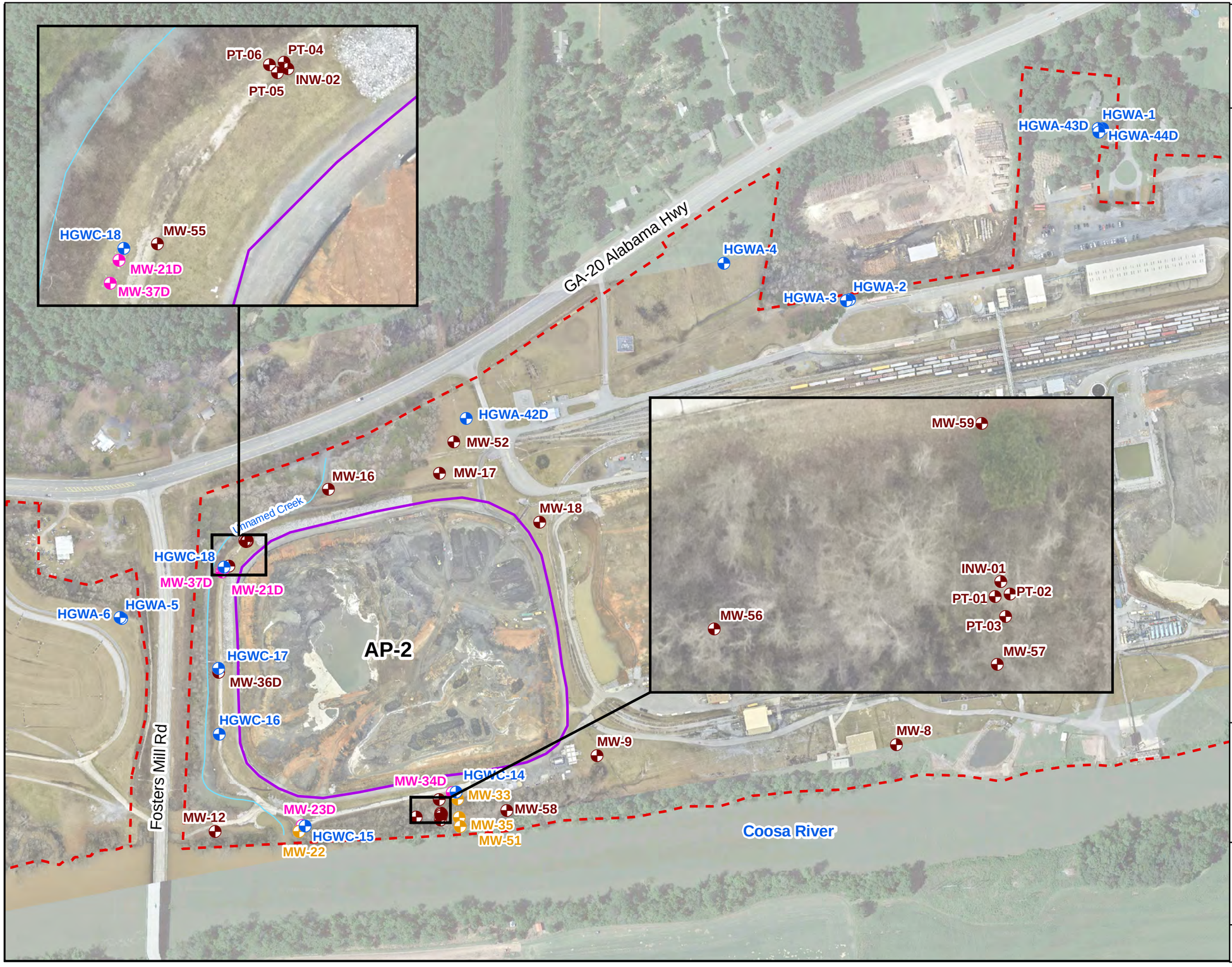
TABLE

Table 1
Summary of Well Construction Details
Plant Hammond AP-2, Floyd County, Georgia

Well ID	Purpose	Well Completion	Installation Date	Northing [1]	Easting [1]	Ground Surface Elevation [2] (ft)	Top of Casing Elevation [2] (ft)	Top of Screen Elevation (ft)	Bottom of Screen Elevation (ft)	Well Depth (ft bgs) [3]
PT-01	Piezometer	Protective Riser	6/17/2023	1547916.85	1938348.81	571.14	574.13	561.24	551.24	20.20
PT-02	Piezometer	Protective Riser	6/16/2023	1547917.68	1938353.52	571.10	574.06	561.10	551.10	20.30
PT-03	Piezometer	Protective Riser	6/17/2023	1547910.57	1938352.13	571.10	574.09	559.10	549.10	22.30
PT-04	Piezometer	Flush Mount	6/6/2023	1548918.26	1937641.91	580.50	580.26	556.70	546.70	34.10
PT-05	Piezometer	Flush Mount	6/12/2023	1548913.06	1937638.48	580.83	580.54	555.73	545.73	35.40
PT-06	Piezometer	Flush Mount	6/7/2023	1548916.95	1937634.25	580.68	580.36	555.18	545.18	35.80
MW-55	Piezometer	Flush Mount	6/13/2023	1548823.40	1937575.72	582.78	582.49	566.78	556.88	26.20
MW-56	Piezometer	Protective Riser	6/16/2023	1547906.81	1938260.81	570.60	573.47	559.60	549.60	21.30
MW-57	Piezometer	Protective Riser	6/16/2023	1547895.53	1938349.49	571.30	574.28	560.30	550.30	21.30
MW-58	Piezometer	Protective Riser	6/17/2023	1547931.46	1938592.55	572.96	575.87	559.46	549.46	23.80
MW-59	Piezometer	Protective Riser	6/14/2023	1547971.14	1938344.65	589.52	592.20	559.52	549.52	40.30
INW-01	Piezometer	Protective Riser	6/16/2023	1547921.52	1938350.62	571.04	573.90	561.04	551.04	20.30
INW-02	Piezometer	Flush Mount	6/6/2023	1548915.00	1937643.89	580.78	580.56	555.78	545.78	35.30

Notes:
ft bgs = feet below ground surface.
(1) Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Survey was completed by GEL Solutions and certified July 17, 2023, and August 30, 2023.
(2) Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988. Ground surface elevation defined at the survey nail installed within the well pad. Survey was completed by GEL Solutions and certified July 17, 2023, and August 30, 2023.
(3) Total well depth accounts for 0.3 ft sump.

FIGURE



N

LEGEND

- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well
- Piezometer
- Unnamed Creek
- Approximate AP-2 Boundary
- Plant Hammond Property Boundary

Notes:
1. Piezometers INW-01, INW-02, MW-55 through MW-59, and PT-01 through PT-06 were installed in support of an Assesment of Corrective Measures (ACM) geochemical injections pilot study and are not included in the routine semiannual sampling of the monitoring well network.
2. Aerial photograph source: Google Earth Pro, August 2019 and Georgia Power Company, February 2023.

0 150 300 600

SCALE IN FEET

GROUNDWATER MONITORING NETWORK MAP

GEORGIA POWER COMPANY
PLANT HAMMOND AP-2
ROME, FLOYD COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | OCTOBER 2023

FIGURE 1

APPENDIX A

Well Driller Performance Bonds

CONTINUATION
CERTIFICATE

Atlantic Specialty Insurance Company , Surety upon

a certain Bond No. 800033976

dated effective September 27, 2017
(MONTH-DAY-YEAR)

on behalf of Ricky Davis / Cascade Drilling, L.P.
(PRINCIPAL)

and in favor of Department of Natural Resources, State of Georgia
(OBLIGEE)

does hereby continue said bond in force for the further period

beginning on June 30, 2023
(MONTH-DAY-YEAR)

and ending on June 30, 2025
(MONTH-DAY-YEAR)

Amount of bond Thirty Thousand and 00/100 Dollars ($30,000.00)

Description of bond Performance Bond for Water Well Contractors

Premium:

PROVIDED: That this continuation certificate does not create a new obligation and is executed upon the express condition and provision that the Surety's liability under said bond and this and all Continuation Certificates issued in connection therewith shall not be cumulative and that the said Surety's aggregate liability under said bond and this and all such Continuation Certificates on account of all defaults committed during the period (regardless of the number of years) said bond had been and shall be in force, shall not in any event exceed the amount of said bond as hereinbefore set forth.

Signed and dated on April 13, 2023
(MONTH-DAY-YEAR)

Atlantic Specialty Insurance Company

By _____
ATTORNEY-IN-FACT Carlos A. Albelo

intact INSURANCE

Power of Attorney

KNOW ALL MEN BY THESE PRESENTS, that ATLANTIC SPECIALTY INSURANCE COMPANY, a New York corporation with its principal office in Plymouth, Minnesota, does hereby constitute and appoint: **Megan Sivley, Melissa Haddick, Sandra Parker, Orlando Aguirre, Stacy Killebrew, Carlos A. Albelo**, each individually if there be more than one named, its true and lawful Attorney-in-Fact, to make, execute, seal and deliver, for and on its behalf as surety, any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof; provided that no bond or undertaking executed under this authority shall exceed in amount the sum of: **unlimited** and the execution of such bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof in pursuance of these presents, shall be as binding upon said Company as if they had been fully signed by an authorized officer of the Company and sealed with the Company seal. This Power of Attorney is made and executed by authority of the following resolutions adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the President, any Senior Vice President or Vice-President (each an "Authorized Officer") may execute for and in behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and affix the seal of the Company thereto; and that the Authorized Officer may appoint and authorize an Attorney-in-Fact to execute on behalf of the Company any and all such instruments and to affix the Company seal thereto; and that the Authorized Officer may at any time remove any such Attorney-in-Fact and revoke all power and authority given to any such Attorney-in-Fact.

Resolved: That the Attorney-in-Fact may be given full power and authority to execute for and in the name and on behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and any such instrument executed by any such Attorney-in-Fact shall be as binding upon the Company as if signed and sealed by an Authorized Officer and, further, the Attorney-in-Fact is hereby authorized to verify any affidavit required to be attached to bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof.

This power of attorney is signed and sealed by facsimile under the authority of the following Resolution adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the signature of an Authorized Officer, the signature of the Secretary or the Assistant Secretary, and the Company seal may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing an Attorney-in-Fact for purposes only of executing and sealing any bond, undertaking, recognizance or other written obligation in the nature thereof, and any such signature and seal where so used, being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

IN WITNESS WHEREOF, ATLANTIC SPECIALTY INSURANCE COMPANY has caused these presents to be signed by an Authorized Officer and the seal of the Company to be affixed this first day of January, 2023.

ATLANTIC SPECIALTY INSURANCE COMPANY CORPORATE SEAL 1986 NEW YORK

By _____
Sarah A. Kolar, General Counsel

STATE OF MINNESOTA
HENNEPIN COUNTY

On this first day of January, 2023, before me personally came Sarah A. Kolar, General Counsel of ATLANTIC SPECIALTY INSURANCE COMPANY, to me personally known to be the individual and officer described in and who executed the preceding instrument, and she acknowledged the execution of the same, and being by me duly sworn, that she is the said officer of the Company aforesaid, and that the seal affixed to the preceding instrument is the seal of said Company and that the said seal and the signature as such officer was duly affixed and subscribed to the said instrument by the authority and at the direction of the Company.

ALISON DWAN NASH-TROUT
NOTARY PUBLIC - MINNESOTA
My Commission Expires
January 31, 2026

_____
Notary Public

I, the undersigned, Secretary of ATLANTIC SPECIALTY INSURANCE COMPANY, a New York Corporation, do hereby certify that the foregoing power of attorney is in full force and has not been revoked, and the resolutions set forth above are now in force.

Signed and sealed. Dated 13th day of April, 2023.

ATLANTIC SPECIALTY INSURANCE COMPANY CORPORATE SEAL 1986 NEW YORK

This Power of Attorney expires
January 31, 2025

_____
Kara Barrow, Secretary

Please direct bond verifications to surety@intactinsurance.com

APPENDIX B

Boring and Well Construction Logs

Geosyntec consultants

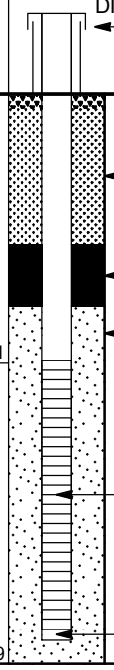
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PT-01

CLIENT Southern Company Services
PROJECT NAME Plant Hammond Well Installation
PROJECT NUMBER GW6581E
PROJECT LOCATION Plant Hammond
DATE STARTED 06/17/23 **COMPLETED** 06/17/23
NORTHING 1547916.85 ft **EASTING** 1938348.81 ft
DRILLER Cascade Drilling
GROUND ELEVATION 571.14 ft **BORING DIAMETER** 6 in.
DRILLING METHOD Sonic
TOP OF CASING ELEVATION 574.13 ft
SAMPLING METHOD Sonic Core
GEOPHYSICAL CONTRACTOR ---
RIG TYPE Terrasonic Compact Crawler
LOGGED BY T. Kessler **CHECKED BY** C. Hug

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
0	570	Hand augered from 0-10 feet bgs.		SILTY CLAY, yellowish red, trace sand, silt, and mica, medium plasticity, moist, trace coal from 0-2 feet bgs.
				7 to 10 ft: Wet.
				561.1
10	560			SANDY CLAY, yellowish red, trace silt and mica, medium plasticity, wet, gray mottling throughout.
				From 15 ft: Brown, gravelly (angular, fine), wet.
20	550			549.9

CONSTRUCTION DIAGRAM



- Aboveground well cover set in concrete
- Approx. 8 gallon of Aquaguard Bentonite Grout
- Approx 2.5 gallon of uncoated 3/8" bentonite pellets
- Approx. 19 gallon of 20/40 Silica Sand
- 0.010 slot size 2" Pre Pack, U-Pack Screen
- 0.3 ft Sump

Bottom of borehole at 21.2 feet below ground surface (ft bgs).

Geosyntec consultants

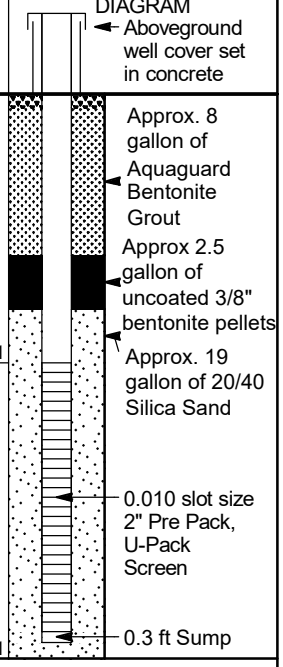
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CLIENT Southern Company Services
PROJECT NAME Plant Hammond Well Installation
PROJECT NUMBER GW6581E
PROJECT LOCATION Plant Hammond
DATE STARTED 06/16/23 **COMPLETED** 06/16/23
NORTHING 1547917.68 ft **EASTING** 1938353.52 ft
DRILLER Cascade Drilling
GROUND ELEVATION 571.10 ft **BORING DIAMETER** 6 in.
DRILLING METHOD Sonic
TOP OF CASING ELEVATION 574.06 ft
SAMPLING METHOD Sonic Core
GEOPHYSICAL CONTRACTOR ---
RIG TYPE Terrasonic Compact Crawler
LOGGED BY T. Kessler **CHECKED BY** C. Hug

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
0	570	Hand augered from 0-10 feet bgs.		SILTY CLAY, yellowish red, trace mica, medium plasticity, moist, trace organic material and coal from 0-1 foot bgs.
10	560			561.1 SANDY CLAY, yellowish red, trace silt and mica, medium plasticity, wet, gray and red mottling throughout.
20				From 20 ft: Abundant rock fragments (angular, fine to coarse) from 20-21 feet bgs. 550.1

Bottom of borehole at 21.0 feet below ground surface (ft bgs).

CONSTRUCTION DIAGRAM



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PT-03

CLIENT Southern Company Services
PROJECT NAME Plant Hammond Well Installation
PROJECT NUMBER GW6581E
PROJECT LOCATION Plant Hammond
DATE STARTED 06/17/23 **COMPLETED** 06/17/23
NORTHING 1547910.57 ft **EASTING** 1938352.13 ft
DRILLER Cascade Drilling
GROUND ELEVATION 571.10 ft **BORING DIAMETER** 6 in.
DRILLING METHOD Sonic
TOP OF CASING ELEVATION 574.09 ft
SAMPLING METHOD Sonic Core
GEOPHYSICAL CONTRACTOR ---
RIG TYPE Terrasonic Compact Crawler
LOGGED BY T. Kessler **CHECKED BY** C. Hug

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
0	570	Hand augered from 0-10 feet bgs. Obstruction at 3.5 feet bgs. Move South 1 foot.		SILTY CLAY, yellowish red, trace sand and mica, medium plasticity, moist, trace organic material.
				From 8 ft: Wet.
				561.1
10	560			SANDY CLAY, yellowish red, trace mica, medium plasticity, wet, gray and brown mottling throughout.
				From 17 ft: Brown, silty.
20	550			550.0

CONSTRUCTION DIAGRAM

- Aboveground well cover set in concrete
- Approx. 8 gallon of Aquaguard Bentonite Grout
- Approx 2.5 gallon of uncoated 3/8" bentonite pellets
- Approx. 19 gallon of 20/40 Silica Sand
- 0.010 slot size 2" Pre Pack, U-Pack Screen
- 0.3 ft Sump

Bottom of borehole at 21.1 feet below ground surface (ft bgs).

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PT-04

CLIENT Southern Company Services
PROJECT NAME Plant Hammond Well Installation
PROJECT NUMBER GW6581E
PROJECT LOCATION Plant Hammond
DATE STARTED 06/06/23 **COMPLETED** 06/06/23
NORTHING 1548918.26 ft **EASTING** 1937641.91 ft
DRILLER Cascade Drilling
GROUND ELEVATION 580.50 **BORING DIAMETER** 6 in.
DRILLING METHOD Sonic
TOP OF CASING ELEVATION 580.26 ft
SAMPLING METHOD Sonic Core
GEOPHYSICAL CONTRACTOR ---
RIG TYPE Terrasonic Compact Crawler
LOGGED BY T. Kessler **CHECKED BY** C. Hug

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	CONSTRUCTION DIAGRAM
0	580	Hand augered from 0-10 feet bgs.		CLAY, yellowish red, low to medium plasticity, angular to rounded fine gravel, dry to moist.	Flush mount well cover set in concrete
10	570			570.5 CLAY, reddish-brown, low plasticity, abundant angular gravel, abundant brown angular coarse sand from 10-11 feet bgs, moist to wet, abundant highly weathered shale fragments.	Approx. 30 gallon of Aquaguard Bentonite Grout
20	560	Material likely slough/trash from 20-30 feet bgs; low recovery (<2 feet)		560.5 CLAY, gray to light brown, medium to high plasticity, wet.	Approx 2.5 gallon of uncoated 3/8" bentonite pellets Approx. 19 gallon of 20/40 Silica Sand
30	550			550.5 From 29.5 ft: Shale fragments (fine to medium angular). No recovery (30 to 36 ft)	0.010 slot size 2" Pre Pack, U-Pack Screen 0.3 ft Sump
				544.5	

Bottom of borehole at 36.0 feet below ground surface (ft bgs).

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PT-05

CLIENT Southern Company Services
PROJECT NAME Plant Hammond Well Installation
PROJECT NUMBER GW6581E
PROJECT LOCATION Plant Hammond
DATE STARTED 06/12/23 **COMPLETED** 06/12/23
NORTHING 1548913.06 ft **EASTING** 4937638.48 ft
DRILLER Cascade Drilling
GROUND ELEVATION 580.83 ft **BORING DIAMETER** 6 in.
DRILLING METHOD Sonic
TOP OF CASING ELEVATION 580.54 ft
SAMPLING METHOD Sonic Core
GEOPHYSICAL CONTRACTOR ---
RIG TYPE Terrasonic Compact Crawler
LOGGED BY T. Kessler **CHECKED BY** C. Hug

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	CONSTRUCTION DIAGRAM
0	580	Hand augered from 0-10 feet bgs.		CLAY, yellowish red, low to medium plasticity, trace sand, abundant rounded/angular gravel, dry to moist, gray mottling.	Flush mount well cover set in concrete
				570.8	Approx. 25 gallon of Aquaguard Bentonite Grout
10	570			CLAY, brown/reddish-brown, low plasticity, trace sand throughout, dry, red and gray mottling throughout.	
				15 to 17 ft: ft: Moist.	
				From 17-20 ft: Abundant heavily weathered shale fragments, becoming heavily fractured at 20 feet bgs.	Approx 2.5 gallon of uncoated 3/8" bentonite pellets
				560.8	
20	560	Very hard from 20-25 feet bgs. Large water return when drilling 20-30 feet bgs.		SANDY CLAY, dark gray/dark brown, low to medium plasticity, abundant subrounded/subangular fine to coarse gravel and sand, trace silt, moist, shale fragments.	Approx. 19 gallon of 20/40 Silica Sand
30	550				0.010 slot size 2" Pre Pack, U-Pack Screen
				544.8	0.3 ft Sump

Bottom of borehole at 36.0 feet below ground surface (ft bgs).

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PT-06

CLIENT Southern Company Services
PROJECT NAME Plant Hammond Well Installation
PROJECT NUMBER GW6581E
PROJECT LOCATION Plant Hammond
DATE STARTED 06/07/23 **COMPLETED** 06/07/23
NORTHING 1548916.95 ft **EASTING** 1937634.25 ft
DRILLER Cascade Drilling
GROUND ELEVATION 580.68 ft **BORING DIAMETER** 6 in.
DRILLING METHOD Sonic
TOP OF CASING ELEVATION 580.36 ft
SAMPLING METHOD Sonic Core
GEOPHYSICAL CONTRACTOR ---
RIG TYPE Terrasonic Compact Crawler
LOGGED BY T. Kessler **CHECKED BY** C. Hug

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	CONSTRUCTION DIAGRAM
0	580	Hand augered from 0-10 feet bgs.		CLAY, yellowish red,low to medium plasticity, angular fine gravel throughout, dry to moist. 2-3 ft: Gray.	Flush mount well cover set in concrete
				570.7	Approx. 30 gallon of Aquaguard Bentonite Grout
10	570			CLAY, reddish-brown, abundant angular fine gravel, moist, abundant highly weathered shale fragments. 15 to 20 ft: Abundant angular coarse sand.	
20	560	Very soft zone from 25-30 feet bgs.		From 20 ft: Light brown, moist.	Approx 2.5 gallon of uncoated 3/8" bentonite pellets
				556.7	Approx. 19 gallon of 20/40 Silica Sand
				SANDY CLAY, brown, low plasticity, abundant angular fine gravel, dry to moist. 29 to 30 ft: Brown, silty, wet.	
30	550			550.7 No recovery (30 to 36.3 ft)	0.010 slot size 2" Pre Pack, U-Pack Screen
				544.4	0.3 ft Sump

Bottom of borehole at 36.3 feet below ground surface (ft bgs).

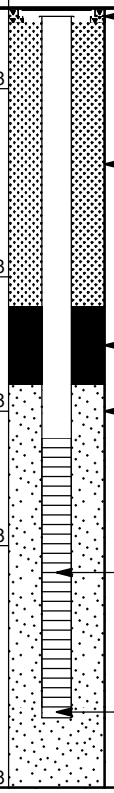
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MW-55

CLIENT Southern Company Services
PROJECT NAME Plant Hammond Well Installation
PROJECT NUMBER GW6581E
PROJECT LOCATION Plant Hammond
DATE STARTED 06/13/23 **COMPLETED** 06/13/23
NORTHING 1548823.40 ft **EASTING** 1937575.72 ft
DRILLER Cascade Drilling
GROUND ELEVATION 582.78 ft **BORING DIAMETER** 6 in.
DRILLING METHOD Sonic
TOP OF CASING ELEVATION 582.49 ft
SAMPLING METHOD Sonic Core
GEOPHYSICAL CONTRACTOR ---
RIG TYPE Terrasonic Compact Crawler
LOGGED BY T. Kessler **CHECKED BY** C. Hug

DEPTH (ft)	ELEVATION (ft)	REMARKS	MATERIAL DESCRIPTION
0		Hand augered from 0-10 feet bgs.	FILL, fill material.
	580		579.8
			SANDY CLAY, reddish yellow, medium plasticity, trace rounded quartz gravel, moist.
			6-7 ft: Subrounded to subangular, medium sand, moist.
			9 ft: Subrounded to subangular, medium sand, moist. 572.8
10		Alluvium from 11-15 feet bgs.	SILTY SAND, yellowish red, abundant subrounded to subangular coarse gravel (quartz), moist.
	570		567.8
			SILTY CLAY, yellowish red to gray, medium to low plasticity, dry, red mottling throughout.
			562.8
20			PARTIALLY WEATHERED ROCK (PWR), gray to dark gray, hard, abundant silt, fissile with irregular bedding, dry.
	560		25 to 29 ft: Relict rock structure.
			553.8

CONSTRUCTION DIAGRAM



Bottom of borehole at 29.0 feet below ground surface (ft bgs).

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MW-56

CLIENT Southern Company Services
PROJECT NAME Plant Hammond Well Installation
PROJECT NUMBER GW6581E
PROJECT LOCATION Plant Hammond
DATE STARTED 06/15/23 **COMPLETED** 06/16/23
NORTHING 1547906.81 ft **EASTING** 1938260.81 ft
DRILLER Cascade Drilling
GROUND ELEVATION 570.60 ft **BORING DIAMETER** 6 in.
DRILLING METHOD Sonic
TOP OF CASING ELEVATION 573.47 ft
SAMPLING METHOD Sonic Core
GEOPHYSICAL CONTRACTOR ---
RIG TYPE Terrasonic Compact Crawler
LOGGED BY T. Kessler **CHECKED BY** C. Hug

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	CONSTRUCTION DIAGRAM
0	570	Hand augered from 0-10 feet bgs.		SILTY CLAY, yellowish red, medium to high plasticity, moist, trace mica and organic material.	Aboveground well cover set in concrete
				From 7.5 ft: Wet.	Approx. 8 gallon of Aquaguard Bentonite Grout; Approx 2.5 gallon of uncoated 3/8" bentonite pellets
				560.6	
10	560			CLAY, yellowish red to yellowish-brown, medium plasticity, abundant fine sand and silt, trace mica, wet.	Approx. 19 gallon of 20/40 Silica Sand
				555.6	
				SILTY GRAVEL, brown to dark brown, fine, subounded, wet. 554.6	0.010 slot size 2" Pre Pack, U-Pack Screen
				GRAVELLY CLAY, reddish yellow, low plasticity, abundant subrounded fine to coarse gravel, subrounded to subangular fine to medium sand, abundant silt, wet.	
				551.6	
20	550			SILTY CLAY, reddish yellow, medium plasticity, wet, red mottling throughout.	0.3 ft Sump
				548.5	

Bottom of borehole at 22.1 feet below ground surface (ft bgs).

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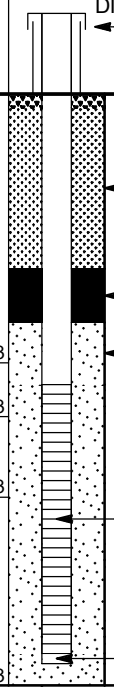
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MW-57

CLIENT Southern Company Services
PROJECT NAME Plant Hammond Well Installation
PROJECT NUMBER GW6581E
PROJECT LOCATION Plant Hammond
DATE STARTED 06/16/23 **COMPLETED** 06/16/23
NORTHING 1547895.53 ft **EASTING** 1938349.49 ft
DRILLER Cascade Drilling
GROUND ELEVATION 571.30 ft **BORING DIAMETER** 6 in.
DRILLING METHOD Sonic
TOP OF CASING ELEVATION 574.28 ft
SAMPLING METHOD Sonic Core
GEOPHYSICAL CONTRACTOR ---
RIG TYPE Terrasonic Compact Crawler
LOGGED BY T. Kessler **CHECKED BY** C. Hug

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
0	570	Hand augered from 0-10 feet bgs.		SILTY CLAY, yellowish red, medium to high plasticity, moist, trace mica and organic matter.
				From 9 ft: Wet.
				561.3
10				No recovery (10 to 12 ft)
	560			559.3
				SANDY CLAY, yellowish red to yellowish-brown, medium to high plasticity, wet, red/gray mottling.
				556.3
				SILTY SAND, yellowish red, fine, subangular, wet.
				From 18 ft: With highly weathered rock fragments.
20				
	550			From 21 ft: With angular rock fragments.
				549.3

CONSTRUCTION DIAGRAM



- Aboveground well cover set in concrete
- Approx. 10 gallon of Aquaguard Bentonite Grout
- Approx 2.5 gallon of uncoated 3/8" bentonite pellets
- Approx. 19 gallon of 20/40 Silica Sand
- 0.010 slot size 2" Pre Pack, U-Pack Screen
- 0.3 ft Sump

Bottom of borehole at 22.0 feet below ground surface (ft bgs).

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MW-58

CLIENT Southern Company Services
PROJECT NAME Plant Hammond Well Installation
PROJECT NUMBER GW6581E
PROJECT LOCATION Plant Hammond
DATE STARTED 06/17/23 **COMPLETED** 06/17/23
NORTHING 1547931.46 ft **EASTING** 1938592.55 ft
DRILLER Cascade Drilling
GROUND ELEVATION 572.96 ft **BORING DIAMETER** 6 in.
DRILLING METHOD Sonic
TOP OF CASING ELEVATION 575.87 ft
SAMPLING METHOD Sonic Core
GEOPHYSICAL CONTRACTOR ---
RIG TYPE Terrasonic Compact Crawler
LOGGED BY T. Kessler **CHECKED BY** C. Hug

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	CONSTRUCTION DIAGRAM
0		Hand augered from 0-10 feet bgs.		CLAY, yellowish red/yellowish-brown, medium plasticity, moist, coal pieces in first 5 feet. 0.5 to 1.5 ft: Crushed coal fragments.	Aboveground well cover set in concrete
	570				Approx. 15 gallon of Aquaguard Bentonite Grout
				563.0	Approx 2.5 gallon of uncoated 3/8" bentonite pellets
10				SANDY CLAY, yellowish red, fine sand and trace silt/mica, medium plasticity, moist to wet, trace gray mottling.	
	560				Approx. 19 gallon of 20/40 Silica Sand
				553.0	0.010 slot size 2" Pre Pack, U-Pack Screen
20				SANDY SILTY CLAY, yellowish red, fine sand with trace mica, medium to low plasticity, moist to wet, relict rock structure.	
				550.0	
	550			PARTIALLY WEATHERED ROCK (PWR), gray mottling throughout.	0.3 ft Sump
				548.1	

Bottom of borehole at 24.9 feet below ground surface (ft bgs).

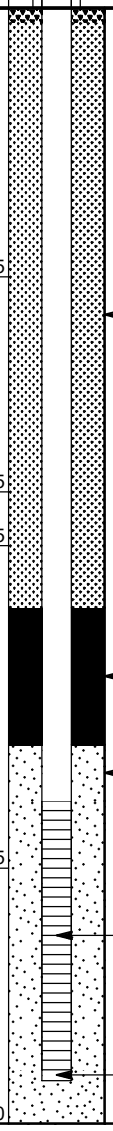
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MW-59

CLIENT Southern Company Services
PROJECT NAME Plant Hammond Well Installation
PROJECT NUMBER GW6581E
PROJECT LOCATION Plant Hammond
DATE STARTED 06/13/23 **COMPLETED** 06/14/23
NORTHING 1547971.14 ft **EASTING** 1938344.65 ft
DRILLER Cascade Drilling
GROUND ELEVATION 589.52 ft **BORING DIAMETER** 6 in.
DRILLING METHOD Sonic
TOP OF CASING ELEVATION 592.2 ft
SAMPLING METHOD Sonic Core
GEOPHYSICAL CONTRACTOR ---
RIG TYPE Terrasonic Compact Crawler
LOGGED BY T. Kessler **CHECKED BY** C. Hug

DEPTH (ft)	ELEVATION (ft)	REMARKS	MATERIAL DESCRIPTION
0		Hand augered from 0-4 feet bgs due to rocks.	CLAY, brown/yellow-brown, abundant angular gravel, low to medium plasticity, moist, trace organic material, rocky from 0-5 feet bgs.
10	580		9 to 10 ft: Rocky. 579.5 GRAVELLY CLAY, brown, low plasticity, abundant angular/subangular gravel, moist.
			571.5 CLAY, brown to yellowish red, trace angular fine gravel, medium plasticity, moist.
20	570		569.5 CLAY, yellowish red, trace sand throughout, medium to high plasticity, moist, red and gray mottling.
30	560	No water return while drilling.	557.5 SILTY SAND, yellowish-brown, subrounded to subangular medium to fine sand, abundant subrounded gravel, wet.
40	550		548.0

CONSTRUCTION DIAGRAM



Bottom of borehole at 41.5 feet below ground surface (ft bgs).

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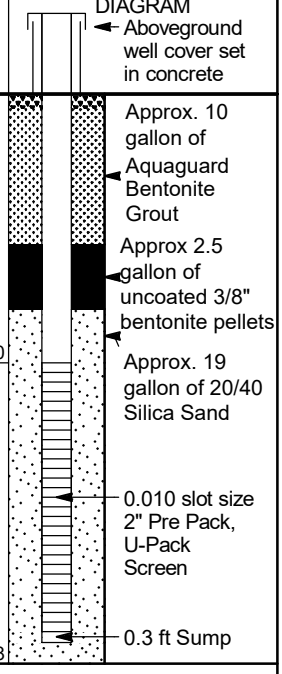
INW-01

CLIENT Southern Company Services
PROJECT NAME Plant Hammond Well Installation
PROJECT NUMBER GW6581E
PROJECT LOCATION Plant Hammond
DATE STARTED 06/16/23 **COMPLETED** 06/16/23
NORTHING 1547921.52 ft **EASTING** 1938350.62 ft
DRILLER Cascade Drilling
GROUND ELEVATION 571.04 ft **BORING DIAMETER** 6 in.
DRILLING METHOD Sonic
TOP OF CASING ELEVATION 573.90 ft
SAMPLING METHOD Sonic Core
GEOPHYSICAL CONTRACTOR ---
RIG TYPE Terrasonic Compact Crawler
LOGGED BY T. Kessler **CHECKED BY** C. Hug

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
0	570	Hand augered from 0-10 feet bgs.		SILTY CLAY, yellowish red, medium plasticity, moist, trace mica and organic material.
				561.0
10	560			SANDY CLAY, yellowish red, trace silt and mica, medium to low plasticity, wet, gray mottling throughout.
20	550			From 20 ft: Abundant angular, fine to coarse rock gravel.
				549.8

Bottom of borehole at 21.2 feet below ground surface (ft bgs).

CONSTRUCTION DIAGRAM



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INW-02

CLIENT Southern Company Services
PROJECT NAME Plant Hammond Well Installation
PROJECT NUMBER GW6581E
PROJECT LOCATION Plant Hammond
DATE STARTED 06/06/23 **COMPLETED** 06/06/23
NORTHING 1548915.00 ft **EASTING** 1937643.89 ft
DRILLER Cascade Drilling
GROUND ELEVATION 580.78 ft **BORING DIAMETER** 6 in.
DRILLING METHOD Sonic
TOP OF CASING ELEVATION 580.56 ft
SAMPLING METHOD Sonic Core
GEOPHYSICAL CONTRACTOR ---
RIG TYPE Terrasonic Compact Crawler
LOGGED BY T. Kessler **CHECKED BY** C. Hug

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	CONSTRUCTION DIAGRAM
0	580	Hand augered from 0-10 feet bgs.		CLAY, yellowish red, low plasticity, abundant angular and rounded fine gravel, dry to moist.	Flush mount well cover set in concrete
				6 to 8 ft: Sandy.	
				570.8	Approx. 30 gallon of Aquaguard Bentonite Grout
10	570			CLAY, reddish-brown, firm, trace angular fine gravel, low plasticity, dry to moist, abundant highly weathered shale fragments.	
20	560			From 20 ft: Medium plasticity, moist.	Approx 2.5 gallon of uncoated 3/8" bentonite pellets
				552.8	Approx. 19 gallon of 20/40 Silica Sand
				CLAY, dark brown, medium plasticity, moist to wet, abundant angular shale gravel.	
				550.8	0.010 slot size 2" Pre Pack, U-Pack Screen
30	550	Soft ground between 30-35 feet bgs		SAMPLE, dark brown/gray, angular to subangular, coarse grained, wet, shale gravel (angular fine to coarse) throughout.	0.3 ft Sump
				36 to 38 ft: Silty.	
				542.8	

Bottom of borehole at 38.0 feet below ground surface (ft bgs).

APPENDIX C

Well Development and Equipment Calibration Forms

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GROUNDWATER SAMPLING LOG SHEET

Client:	SCS	Project No.:	GW65816
Site:	Plant Hammond	Location:	AP-2
Well ID:	~~PT-01~~ PT01	Pump Type/Model:	Monsoon
Total Depth (ft):	23.47	Tubing Material:	Poly
Depth to Water (ft):	9.81	Pump Intake Depth (ft):	23 / 18.5
Well Diameter (in):	2	Start/Stop Purge Time:	1240 / 1529
Well Volume (gal) = 0.041d²h:	2.24	Purge Rate (~~mL/min~~):	gal/min 1.0/0.5
Well Volume (L) = gal * 3.785:	8.48	Total Purge Volume (~~L~~):	gal 48.0
d = well diameter (inches), h = length of water column (feet)		Purge Method:	Low-Flow Well Volume Other: —
Well Type:	Flush (Stick Up)	Sampling Method:	Pump Discharge Other: ✓
Well Lock:	(Yes) No		
Well Cap Condition:	(Good) Replace		
Well Tag Present:	(Yes) No		

Sampling Date:	6-29-2023		
Sampler's Name:	A. Szwast		
Sample Collection Time:	~		
Sample Purge Rate (mL/min):	~		
Sample ID:	~		
Laboratory Analyses:	~		
QA/QC Collected?	~		
QA/QC I.D.	~		

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No N/A

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate gal/min (~~mL/min~~)	Purged Volume gal (~~L~~)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1240								1.0		Prepurge 1 gal/min
1255				@ 6-29-2023				0	15	Purge dry. allow recharge
1310								0.5	15	Pre-purge 0.5 gal/min
1320								0	20	Purge dry. allow recharge
1335								1.0	20	Pre-purge 1 gal/min
1338								0	23	Purge dry. allow recharge
1357	4.82	1859.4	149.4	4.60	20.56	— @6-29-23	17.56	1.0	23	~~Pre-purge~~ @6-29-2023 Begin purge, not enough for turbidity
1358				@6-29-23	21.10 @		@6-29-23	0	24	Purge dry. allow recharge
1424	4.79	1862.5	150.3	3.98	~~18.47~~	71.4	15.89	0.5	24	Begin purge
1429	4.79	2072.2	123.5	5.89	18.97	103	17.28	0.5	26.5	
1434	4.70	1932.5	114.7	4.22	19.14	156	19.63	0.5	29	
1437				@ 6-29-23			20.03	0	30.5	Purge dry. allow recharge
1454	4.73	1916.2	129.1	4.43	21.82	51.3 @ 0.0 ft	~~17.43~~	0.5	30.5	DTW = 15.81
1459	4.71	2091.6	104.7	6.04	19.11	34.3	17.93	0.5	33.0	
1500		@ 6-29-23						0	35.5	Purge dry
1514	4.81	2077.5	127.1	4.35	22.04	27.6	14.89	0.5	35.5	
1519	4.62	2003.1	106.7	4.08	18.65	36.8	17.45	0.5	38.0	
1524	4.71	2131.2	105.3	5.61	19.05	24.8	17.48	0.5	40.5	
1529	4.73	2144.7	114.8	4.96	19.50	12.8	18.32	0.5	43.0	Flow intermittently decreasing, then return to full flow
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

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GROUNDWATER SAMPLING LOG SHEET

Client:	SCS	Project No.:	GW65816
Site:	Plant Hammond	Location:	AP-2
Well ID:	PT-01	Pump Type/Model:	Monsoon
Total Depth (ft):	23.47	Tubing Material:	Poly
Depth to Water (ft):	9.81	Pump Intake Depth (ft):	23/18.5
Well Diameter (in):	2	Start/Stop Purge Time:	1240/1539
Well Volume (gal) = 0.041d²h:	2.24	Purge Rate (~~mL/min~~):	gal/min 1.0/0.5
Well Volume (L) = gal * 3.785:	8.48	Total Purge Volume (~~L~~):	gal 48.0

d = well diameter (inches); h = length of water column (feet)

gal/min C.H. 9/22

Sampling Date:	6-29-2023	Purge Method:	Low-Flow	Well Volume	Other: ~
Sampler's Name:	A. Szwast	Sampling Method:	Pump Discharge		Other: ~
Sample Collection Time:	~	QA/QC Collected?	~		
Sample Purge Rate (mL/min):	~	QA/QC I.D.	~		
Sample ID:	~				
Laboratory Analyses:	~				

Well Type:	Flush	Stick Up			
Well Lock:	Yes	No			
Well Cap Condition:	Good	Replace			
Well Tag Present:	Yes	No			

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No N/A

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (~~mL/min~~ gal/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1534	4.60	2036.7	111.1	4.98	19.68	13.7	17.43	0.5	45.5	
1539	4.61	2100.4	123.1	5.28	19.93	2.59	17.45	0.5	48.0	

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GROUNDWATER SAMPLING LOG SHEET

Client:	SCS	Project No.:	GW65816	Sampling Date:	6-29-2023
Site:	Plant Hammond	Location:	AP-2	Sampler's Name:	A. Szwast
Well ID:	PT-01	Pump Type/Model:	Monsoon	Sample Collection Time:	—
Total Depth (ft):	23.47	Tubing Material:	Poly	Sample Purge Rate (mL/min):	—
Depth to Water (ft):	12.15	Pump Intake Depth (ft):	~~23~~ 18.5	Sample ID:	—
Well Diameter (in):	2	Start/Stop Purge Time:	1604 /	Laboratory Analyses:	—
Well Volume (gal) = 0.041d²h:	1.86	Purge Rate (mL/min):	150		
Well Volume (L) = gal * 3.785:	7.03	Total Purge Volume (L):	2.3		
d = well diameter (inches); h = length of water column (feet)		Purge Method:	(Low-Flow) Well Volume	Other: —	QA/QC Collected? —
Well Type:	Flush (Stick Up)	Sampling Method:	Pump Discharge	Other: —	QA/QC I.D. —
Well Lock:	(Yes) No				
Well Cap Condition:	(Good) Replace	All sample containers requiring chemical preservation properly preserved prior to demob from well?		Yes No	N/A
Well Tag Present:	(Yes) No				

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1604										Pre-purge for flow at 150 mL/min
1609	4.71	2320.3	166.7	3.1	22.35	4.71	11.68	150	0.75	
1614	4.69	2260.3	178.1	3.28	23.16	3.73	11.45	150	1.5	
1619	4.63	2241.3	106.5	3.38	22.63	2.49	11.44	150	2.3	
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or (10%) for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

AS 6-29-2023

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GROUNDWATER SAMPLING LOG SHEET

Client: SCS
Site: Plant Hammond
Well ID: PT-02
Total Depth (ft): 23.4
Depth to Water (ft): 9.6
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 2.26
Well Volume (L) = gal * 3.785: 8.57
d = well diameter (inches), h = length of water column (feet)

Well Type: Flush (Stick Up)
Well Lock: (Yes) No
Well Cap Condition: (Good) Replace
Well Tag Present: (Yes) No

Project No.: GWL0501G
Location: AP-2
Pump Type/Model: Monsoon
Tubing Material: poly
Pump Intake Depth (ft): 18
Start/Stop Purge Time: 1030/1050
Purge Rate (mL/min): 8000
Total Purge Volume (L): 8.57
Purge Method: Low-Flow Well Volume Other: —
Sampling Method: Pump Discharge Other: —

Sampling Date: 6/28/23
Sampler's Name: AN
Sample Collection Time: —
Sample Purge Rate (mL/min): —
Sample ID: —
Laboratory Analyses: —
QA/QC Collected? —
QA/QC I.D. —

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1030										begin purging, motor probe hpd for
1050										purging
										AN
										6/27/23
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client: SCG
Site: Plant Hammond
Well ID: PT-02
Total Depth (ft): 23.4
Depth to Water (ft): 9.6
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 2.26
Well Volume (L) = gal * 3.785: 8.57
d = well diameter (inches); h = length of water column (feet)

Project No.: GWUS81G
Location: AP-2
Pump Type/Model: monsoon
Tubing Material: poly
Pump Intake Depth (ft): 18
Start/Stop Purge Time: 1625/1700
Purge Rate (mL/min): 5000
Total Purge Volume (L): 8.57

Sampling Date: 06/28/23
Sampler's Name: AN
Sample Collection Time: -
Sample Purge Rate (mL/min): -
Sample ID: -
Laboratory Analyses: -

Purge Method: Low-Flow Well Volume Other: -
Sampling Method: Pump Discharge Other: -
QA/QC Collected? -
QA/QC I.D. -

Well Type: Flush (Stick Up)
Well Lock: (Yes) No
Well Cap Condition: (Good) Replace
Well Tag Present: (Yes) No

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1625										begin purging, pumped
1700										on & off pumping in between recharges
					6/27/23 AN					stop purging
										AN
									6/27/23	
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

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GROUNDWATER SAMPLING LOG SHEET

Client:	SCS	Project No.:	GW65816
Site:	Plant Hammond	Location:	AP-2
Well ID:	PT-02	Pump Type/Model:	Monsoon
Total Depth (ft):	23.4	Tubing Material:	Poly
Depth to Water (ft):	9.86	Pump Intake Depth (ft):	23 / 18.4
Well Diameter (in):	2	Start/Stop Purge Time:	1050 / 1550
Well Volume (gal) = 0.041d²h:	2.22	Purge Rate (mL/min):	1.0 / 0.5 / 0.25
Well Volume (L) = gal * 3.785:	8.40	Total Purge Volume (L):	21.0

d = well diameter (inches); h = length of water column (feet)

Sampling Date:	6-30-2023		
Sampler's Name:	A. Szwast		
Sample Collection Time:	—		
Sample Purge Rate (mL/min):	—		
Sample ID:	—		
Laboratory Analyses:	—		
QA/QC Collected?	—		
QA/QC I.D.	—		

Well Type: Flush / (Stick Up)
Well Lock: (Yes) / No
Well Cap Condition: (Good) / Replace
Well Tag Present: (Yes) / No

Purge Method: Low-Flow / Well Volume / Other: —
Sampling Method: Pump Discharge / Other: —

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes / No N/A

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1050								1.0	0	Pre-purge at 1 gal/min
1058								0	8.0	Purge dry, allow recharge
1146	5.15	1932.6	91.9	6.46	19.59	707 AU	20.0	0.5	8.0	Begin development
1148								0	9.0	Purge dry
1209								0.5	9.0	Begin development
1211	5.25	1870.5	74.9	6.58	19.34	>500 NTU	20.22	0.5	10.0	>500 NTU = turbidity overrange
1216	5.44	2031.0	88.0	6.61	19.32	>500 NTU	20.68	0.5	12.5	
1218								0	13.5	Purge dry
1300								0	13.5	Lightning stand down
1457						99.5	10.39	0.25	13.5	Restart purge
1506	5.02	1928.7	121.5	6.94	19.61	41.2	14.70	0.25	15.8	
1516	4.86	1918.2	85.7	5.67	18.16	92.9	17.73	0.25	17.0	
1517								0	17.5	Purge dry
1526	5.03	1978.1	86.6	6.75	21.10	122	16.64	0.25	17.5	Restart purge
1531	4.91	2034.3	110.2	6.22	19.70	132	17.97	0.25	19.8	
1532								0	20.0	Purge dry
1546	4.87	1976.8	98.5	6.73	19.19	60.2	16.76	0.25	20.0	
1550									21.0	Purge dry. Development incomplete.
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client: SCS
Site: Plant Hammond
Well ID: PT-02
Total Depth (ft): 23.4
Depth to Water (ft): 9.8
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 2.23
Well Volume (L) = gal * 3.785: 8.44
d = well diameter (inches); h = length of water column (feet)
Well Type: Flush / (Stick Up)
Well Lock: (Yes) / No
Well Cap Condition: (Good) / Replace
Well Tag Present: (Yes) / No

Project No.: GWES87
Location: AP-2
Pump Type/Model: MONSOON
Tubing Material: POLY
Pump Intake Depth (ft): 18.4
Start/Stop Purge Time: 1350/1637
Purge Rate (mL/min): 8000
Total Purge Volume (L): 1092
Purge Method: Low-Flow Well Volume Other: –
Sampling Method: Pump Discharge Other: –

Sampling Date: 7/5/23
Sampler's Name: AN
Sample Collection Time: –
Sample Purge Rate (mL/min): –
Sample ID: –
Laboratory Analyses: –
QA/QC Collected? –
QA/QC I D –

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1427	5.00	1915.9	174.6	2.40	18.58	1829 AN	17.9	8000	16	pre purge 20min on rate flow, well pumps dry quickly
1432	5.01	2116.8	117.5	0.63	19.17	2122 AN	18.2	8000	58	
1437	5.33	2040.0	125.7	3.39	19.80	1875 AN	18.2	8000	98	
1442	5.30	2080.0	83.8	3.02	20.00	1060 AN	18.2	8000	132	
1447	5.27	1951.1	84.9	4.02	20.19	704 AN	18.2	8000	172	
1452	5.35	1990.2	72.7	3.36	20.53	50	18.2	8000	212	
1457	5.31	1968.9	105.4	3.87	20.77	15	18.2	8000	252	
1502	5.31	1952.5	93.8	4.02	22.38	17	18.2	8000	292	cell wasn't completely full
1507	5.19	1946.5	78.8	4.36	20.31	64.8	18.2	8000	332	
1512	5.14	1941.9	74.9	4.47	20.30	55.3	18.2	8000	372	
1517	5.36	2102.4	71.3	5.50	20.32	51.5	18.2	8000	412	
1522	5.30	1976.6	67.0	5.43	21.36	53.5	18.2	8000	452	
1527	5.21	1958.8	106.8	4.37	20.97	47.2	18.2	8000	492	
1613	4.98	1837.0	112.8	4.85	21.43	22.2	18.2	8000	532	battery died, had to swap out
1622	4.93	1915.9	100.7	5.11	19.55	7.8	18.2	8000	572	
1627	4.91	2080.8	136.7	4.70	19.81	21.1	18.2	8000	612	
1632	5.02	2080.4	83.4	4.67	20.01	11.18	18.2	8000	652	
1637	5.02	2057.3	69.4	4.68	20.95	8.12	18.2	8000	692	7/5/23 AN
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client: SCS
Site: Plant Hammond
Well ID: PT-02
Total Depth (ft): 23.4
Depth to Water (ft): 9.8
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 2.23
Well Volume (L) = gal * 3.785: 8.44
d = well diameter (inches); h = length of water column (feet)

Well Type: Flush / (Stick Up)
Well Lock: (Yes) / No
Well Cap Condition: (Good) / Replace
Well Tag Present: (Yes) / No

Project No.: GW6581
Location: AP-2
Pump Type/Model: Monsoon
Tubing Material: poly
Pump Intake Depth (ft): 18.4
Start/Stop Purge Time: 1640/1657
Purge Rate (mL/min): 200
Total Purge Volume (L): 3.4
Purge Method: (Low-Flow) / Well Volume / Other: –
Sampling Method: Pump Discharge / Other: –

Sampling Date: 7/5/23
Sampler's Name: AN
Sample Collection Time: –
Sample Purge Rate (mL/min): –
Sample ID: –
Laboratory Analyses: –
QA/QC Collected? –
QA/QC I.D. –

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1642	5.00	2048.7	86.1	4.85	21.84	7.88	18.0	200	0.4	pre purge for flow
1647	4.98	2020.3	71.8	5.02	22.00	6.81	18.0	200	1.4	
1652	5.02	1991.5	93.4	4.91	22.09	7.77	18.0	200	2.4	
1657	4.96	2017.0	101.8	5.32	20.89	4.55	18.0	200	3.4	

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GROUNDWATER SAMPLING LOG SHEET

Client:	SCS	Project No.:	GW0581G
Site:	Plant Hammond	Location:	AP-2
Well ID:	PT-03	Pump Type/Model:	monsoon
Total Depth (ft):	25.6	Tubing Material:	poly
Depth to Water (ft):	9.60	Pump Intake Depth (ft):	20
Well Diameter (in):	~~25.0~~ 2	Start/Stop Purge Time:	0850/0943
Well Volume (gal) = 0.041d²h:	2.62	Purge Rate (mL/min):	8000
Well Volume (L) = gal * 3.785:	9.92	Total Purge Volume (L):	424

d = well diameter (inches); h = length of water column (feet)

Sampling Date:	6/28/23	Purge Method:	Low-Flow Well Volume Other: —
Sampler's Name:	AN	Sampling Method:	Pump Discharge Other: —
Sample Collection Time:	—	QA/QC Collected?	—
Sample Purge Rate (mL/min):	—	QA/QC I.D.	—
Sample ID:	—		
Laboratory Analyses:	—		

Well Type: Flush / (Stick Up)
Well Lock: (Yes) / No
Well Cap Condition: (Good) / Replace
Well Tag Present: (Yes) / No

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
0913	5.18	2118.0	171.5	4.13	17.45	0216 AN	19.3	8000	184	
0918	5.40	2205.9	243.7	3.59	17.45	00 [illegible]	19.3	8000	224	
0923	5.30	2199.2	248.9	3.09	17.40	[illegible]	18.8	8000	264	
0928	5.22	2091.2	229.3	3.42	17.41	0.47	19.4	8000	304	
0933	5.17	2061.8	242.6	3.43	17.41	0.37	19.3	8000	344	
0938	5.35	2207.3	223.3	3.75	17.44	0.76	19.4	8000	384	
0943	5.33	2187.9	323.4	3.07	17.36	3.26	19.4	8000 AN	424	
		AN								
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client: SCS
Site: Plant Hammond
Well ID: PT-03
Total Depth (ft): 25.6
Depth to Water (ft): 9.60
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 2.62
Well Volume (L) – gal * 3.785: 9.92
d = well diameter (inches); h = length of water column (feet)

Well Type: Flush / (Stick Up)
Well Lock: (Yes) / No
Well Cap Condition: (Good) / Replace
Well Tag Present: (Yes) / No

Project No.: GW65816
Location: AP-2
Pump Type/Model: monsoon
Tubing Material: poly
Pump Intake Depth (ft): 20
Start/Stop Purge Time: 0948/1008
Purge Rate (mL/min): 300
Total Purge Volume (L): 6
Purge Method: (Low-Flow) / Well Volume / Other: –
Sampling Method: Pump Discharge / Other: –

Sampling Date: 6/28/23
Sampler's Name: AN
Sample Collection Time: –
Sample Purge Rate (mL/min): –
Sample ID: –
Laboratory Analyses: –
QA/QC Collected? –
QA/QC I.D. –

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
0953	5.52	2176.1	219.5	2.64	17.66	15.6	12.6	300	1.5	
0958	5.38	2142.5	132.6	0.91	17.55	3.43	12.3	300	3	
1003	5.41	2163.0	158.4	1.04	17.57	3.09	12.3	300	4.5	
1008	5.39	2160.2	162.0	0.97	17.54	2.62	12.3	300	6	

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GROUNDWATER SAMPLING LOG SHEET

Client: SCS
Site: Plant Hammond
Well ID: PT-04
Total Depth (ft): 34.07
Depth to Water (ft): 14.62
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 3.19
Well Volume (L) = gal * 3.785: 12.1
d = well diameter (inches); h = length of water column (feet)

Well Type: (Flush) Stick Up
Well Lock: Yes (No)
Well Cap Condition: (Good) Replace
Well Tag Present: (Yes) No

Project No.: GW65816
Location: AP-2
Pump Type/Model: Monsoon
Tubing Material: Poly
Pump Intake Depth (ft): 33.5 / 29
Start/Stop Purge Time: 1230 / 1452
Purge Rate (mL/min): 2.5 gal/min
Total Purge Volume (L): 155 gal
Purge Method: Low-Flow Well Volume Other: —
Sampling Method: Pump Discharge Other: —

Sampling Date: 6-27-2023
Sampler's Name: A. Sweat
Sample Collection Time: —
Sample Purge Rate (mL/min): —
Sample ID: —
Laboratory Analyses: —
QA/QC Collected? —
QA/QC I.D. —

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No N/A

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate ~~gal/min~~ (mL/min)	Purged Volume gal ~~(L)~~	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1230					(DW)	6-27-2023				Pre purge at 2.5 gal/min
1248									75	well purging dry. stop purge
1308									45	Start purge at 2.5 gal/min (pre-purge)
1412	6.26	1710.4	-8.2	0.28	18.88	2776 AU	24.78	2.5	55	turbidity units: AU
1417	6.25	1744.8	-23.3	0.56	18.42	2819 AU	25.15	2.5	68	
1422	6.23	1749.7	-16.5	0.27	18.34	191 NTU	25.48	2.5	80	Pump clogged, clean pump. Position at 29 ft
1427	6.86	5.23	-5.1	6.65	20.84	765 AU	20.01	2.5	93	
1432	6.23	1747.4	0.6	0.34	18.65	77.5 NTU	20.58	2.5	105	turbidity units: NTU
1437	6.21	1759.2	5.1	0.23	18.34	~~27.7~~ 45.4	21.07	2.5	118	
1442	6.21	1762.6	5.1	0.17	18.33	27.7	21.25	2.5	130	
1447	6.20	1761.2	16.1	0.14	18.34	13.9	21.30	2.5	143	
1452	6.20	1763.4	5.6	0.12	18.30	9.38	21.41	2.5	155	
						(DW) 6-27-2023				
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client: SCS
Site: Plant Hammond
Well ID: PT-04
Total Depth (ft): 34.07
Depth to Water (ft): 15.65
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 3.02
Well Volume (L) = gal * 3.785: 11.4
d = well diameter (inches), h = length of water column (feet)
Well Type: (Flush) Stick Up
Well Lock: Yes ~~No~~
Well Cap Condition: (Good) Replace
Well Tag Present: (Yes) No

Project No.: GU6581G
Location: AP-2
Pump Type/Model: Monsoon
Tubing Material: Poly
Pump Intake Depth (ft): 29.
Start/Stop Purge Time: 1454/1519
Purge Rate (mL/min): 300/150
Total Purge Volume (L): 6.0
Purge Method: (Low-Flow) Well Volume Other: —
Sampling Method: Pump Discharge Other: —

Sampling Date: 6-27-2023
Sampler's Name: A. Szwast
Sample Collection Time: —
Sample Purge Rate (mL/min): —
Sample ID: —
Laboratory Analyses: —
QA/QC Collected? —
QA/QC I.D. —

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No N/A

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1504	6.27	1781.7	-15.4	0.04	23.03	8.18	15.65	300	3.0	Pre-purge 10 min at 300 mL/min for flow
1509	6.24	1798.9	-30.7	0.02	25.01	6.25	15.44	150	4.5	Reduce flow to 150 mL/min
1514	6.23	1765.9	-33.0	0.03	26.83	5.42	15.39	150	5.3	
1519	6.22	1778.3	-36.1	0.05	27.86	4.65	15.35	150	6.0	
					OS	6-27-2023				
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

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GROUNDWATER SAMPLING LOG SHEET

Client: SCS
Site: Plant Hammond
Well ID: PT-05
Total Depth (ft): 35.39
Depth to Water (ft): 14.81
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 3.38
Well Volume (L) = gal * 3.785: 12.8
d = well diameter (inches); h = length of water column (feet)
Well Type: (Flush) Stick Up
Well Lock: Yes (No)
Well Cap Condition: (Good) Replace
Well Tag Present: (Yes) No

Project No.: GW65816
Location: AP-2
Pump Type/Model: Monsoon
Tubing Material: Poly
Pump Intake Depth (ft): 34.9 / 30.4
Start/Stop Purge Time: 1348 / 1447
Purge Rate (mL/min): 1.5 gal/min
Total Purge Volume (L): 88.5 gal
Purge Method: Low-Flow Well Volume Other: —
Sampling Method: Pump Discharge Other: —

Sampling Date: 6-28-2023
Sampler's Name: A. Secrest
Sample Collection Time: —
Sample Purge Rate (mL/min): —
Sample ID: —
Laboratory Analyses: —
QA/QC Collected? —
QA/QC I.D. —

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No N/A

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	~~gal~~ Purge Rate ~~min (mL/min)~~	Purged Volume ~~gal~~ L	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1348	6				6-28-2023					Pre-purge at 1.5 gal/min
1412	6.23	1655.9	19.5	0	19.45	2497 AU	18.35	~~6~~ 1.5	36	
1417	6.22	1666.4	23.3	0	18.61	85.8 NTU	18.43	1.5	44	
1422	6.21	1677.4	23.8	0	18.55	69.1	18.44	1.5	51	
1427	6.21	1683.8	25.8	0	18.56	37.9	18.60	1.5	59	
1432	6.20	1694.6	25.6	0	18.53	11.6	18.63	1.5	66	
1437	6.20	1701.7	26.1	0	18.54	5.18	18.64	1.5	73.5	
1442	6.20	1713.8	15.2	0	18.52	13.8	18.76	1.5	81	
1447	6.20	1715.6	14.3	0	18.50	3.59	18.82	1.5	88.5	
					6-28-2023					
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client: SCS
Site: Plant Hammond
Well ID: PT-05
Total Depth (ft): 35.39
Depth to Water (ft): 15.49
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 3.26 ~~3.38~~ @ 6-29-2023
Well Volume (L) = gal * 3.785: 12.4
d = well diameter (inches); h = length of water column (feet)
Well Type: (Flush) Stick Up
Well Lock: Yes (No)
Well Cap Condition: (Good) Replace
Well Tag Present: (Yes) No

Project No.: GW6581G
Location: AP-2
Pump Type/Model: Monsoon
Tubing Material: Poly
Pump Intake Depth (ft): 30.4
Start/Stop Purge Time: 1455/1516
Purge Rate (mL/min): 120
Total Purge Volume (L): 2.5
Purge Method: (Low-Flow) Well Volume Other: —
Sampling Method: Pump Discharge Other: —

Sampling Date: 6-28-2023
Sampler's Name: A. Stewart
Sample Collection Time: —
Sample Purge Rate (mL/min): —
Sample ID: —
Laboratory Analyses: —
QA/QC Collected? —
QA/QC I.D. —

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No N/A

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1455										Pre-purge at 120 mL/min
1506	6.21	1728.1	13.5	0.03	26.11	1.15	15.42	120	1.3	
1511	6.21	1719.9	6.8	0.07	26.10	1.05	15.46	120	1.9	
1516	6.21	1733.6	10.7	0.04	26.15	2.06	15.32	120	2.5	
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

6-29-2023

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client: Sonnen Company
Site: Plant Hammond
Well ID: PT-06
Total Depth (ft): 30
Depth to Water (ft): 13.25
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: AN 5.90 3.73
Well Volume (L) = gal * 3.785: AN 22.35 14.12
d = well diameter (inches); h = length of water column (feet)

Well Type: (Flush) Stick Up
Well Lock: Yes (No)
Well Cap Condition: (Good) Replace
Well Tag Present: (Yes) No

Project No.: GW16581
Location: Plant Hammond
Pump Type/Model: Megamonsoon Pro
Tubing Material: poly
Pump Intake Depth (ft): 30
Start/Stop Purge Time: 1058/1515
Purge Rate (mL/min): ~~4000~~ 4000, 5000, 1500
Total Purge Volume (L): 892.5 AN 6/12/23
Purge Method: ~~Low-Flow~~ Well Volume Other: —
Sampling Method: ~~Pump Discharge~~ AN Other: —

Sampling Date: 6/26/23
Sampler's Name: AN
Sample Collection Time: N/A
Sample Purge Rate (mL/min): N/A
Sample ID: N/A
Laboratory Analyses: N/A

QA/QC Collected? —
QA/QC I.D. —

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1118	6.16	1805.1	-68.5	0.01	18.20	92.1	18.45	4000	100	pre purged for 20 min to remove pump motor bad during
1123	6.15	1792.9	-50.9	0.03	18.11	overrange	18.90	4000	120	
1128	6.14	1808.9	-45.5	0.02	18.08	overrange	18.95	4000	140	
1133	6.14	1807.6	-85.8	0.02	18.12	overrange	19.00	4000	160	
1138	6.15	1804.3	-44.4	0.01	18.17	1983 AN	18.95	4000	180	
1143	6.51	6.46 AN 795.7	6.8-20.6	2.34	18.59	1355 AN	18.95	4000	200	tubing fell off bit only
1149	6.14	1809.4	-40.9	0.01	18.17	81	18.75	4000	220	
1154	6.16	1792.3	-17.7	0.08	18.52	4088 AN	18.75	4000	240	
1159	6.17	1820.4	-40.2	0.01	18.0	1069 AN	19.00	4000	2160	
1209	6.13	1820.9	-26.7	0.01	18.26	8416 AN	18.60	4000	2300	reattached tubing
1214	6.25	1881.5	-30.5	1.52	18.56	overrange	18.75	4000	320	
1219	6.11	1830.9	-34.1	0.01	18.13	925 AN	18.95	4000	340	
1224	6.10	1830.1	-75.0	0.01	18.08	764 AN	18.45	4000	360	
1229	6.10	1832.9	-75.1	0.01	18.16	770 AN	19.13	4000	380	
1234	6.10	1830.4	-70.1	0.01	18.12	740 AN	19.05	4000	400	
1239	6.11	1836.4	-35.7	0.01	18.17	59	19.20	4000	420	
1245	6.09	1830.9	-46.8	0.01	18.17	77	19.21	4000	440	
1250	6.09	1839.7	-43.3	0.01	18.18	130 AN	19.50	4000	460	
1255						108 AN	19.25	4000	480	ipad overheated
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client: Sanmen company
Site: Plant Hammond
Well ID: PT-06
Total Depth (ft): 36
Depth to Water (ft): 13.25
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: AN 5.90 3.73
Well Volume (L) = gal * 3.785: AN ~~22.35~~ 14.12
d = well diameter (inches), h = length of water column (feet)
Well Type: (Flush) Stick Up
Well Lock: Yes (No)
Well Cap Condition: (Good) Replace
Well Tag Present: (Yes) No

Project No.: GW6581
Location: Plant Hammond
Pump Type/Model: Mega Monsoon PW
Tubing Material: Poly
Pump Intake Depth (ft): 30
Start/Stop Purge Time: 1058/1515
Purge Rate (mL/min): 4000, 5000, 1500
Total Purge Volume (L): 892.5 AN 1/26/23
Purge Method: (Low-Flow) Well Volume Other: —
Sampling Method: (Pump Discharge) AN Other: —

Sampling Date: 1/26/23
Sampler's Name: AN
Sample Collection Time: N/A
Sample Purge Rate (mL/min): N/A
Sample ID: N/A
Laboratory Analyses: N/A
QA/QC Collected? —
QA/QC I.D. —

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1300	6.08	1852.7	-55.9	0.00	18.14	11	19.05	4000	500	
1305	6.09	1842.0	-77.2	0.01	18.17	743 AN	19.25	4000	520	
1310	6.09	1839.8	-76.7	0.00	18.17	93	19.65	4000	540	
1315	6.08	1836.3	-36.7	0.01	18.12	71	19.45	4000	560	
1320	6.08	1834.9	-71.9	0.00	18.17	71	19.70	4000	580	
1325	6.09	1835.9	-72.1	0.00	18.19	93	19.45	4000	600	
1330	6.08	1893.3	-73.1	0.00	18.17	601 AN	19.68	4000	620	
1335	6.08	1839.9	-37.4	0.00	18.17	82	19.64	4000	640	
1340	6.10	1830.6	-72.5	0.02	18.20	1445 AN	19.90	4000	660	
1345	6.09	1833.1	-72.9	0.01	18.10	659 AN	19.75	4000	700	
1350	6.09	1832.2	-71.1	0.00	18.17	101	19.75	4000	720	
1355	6.09	1834.4	-68.3	0.00	18.21	102	19.40	4000	740	
1400	6.09	1837.4	-35.1	0.00	18.22	56	19.50	4000	760	
1405	6.10	1832.2	-65.9	0.01	18.21	115	19.45	4000	780	
1410	6.09	1819.4	-67.9	0.00	18.17	73	20.8	5000	805	
1415	6.09	1817.5	-70.8	0.01	18.26	101.5	20.18	5000	830	
1420	6.08	1810.0	-66.3	0.00	18.24	82.7	21.8	5000	855	pump motor issue, need to replace
1455	6.15	1800.2	-11.3	0.02	20.41	1000 AN	17.55	1500	892.5	
1500	6.15	1847.0	-34.5	0.01	19.51	1093 AN	18.55	1500	870	
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client: Southern Company
Site: Plant Hammond
Well ID: PT-06
Total Depth (ft): 30
Depth to Water (ft): 13.25
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 3.73
Well Volume (L) = gal * 3.785: 14.12
d = well diameter (inches); h = length of water column (feet)

Well Type: (Flush) Stick Up
Well Lock: Yes (No)
Well Cap Condition: (Good) Replace
Well Tag Present: (Yes) No

Project No.: GWES81
Location: Plant Hammond
Pump Type/Model: Mega Monsoon Pro
Tubing Material: Poly
Pump Intake Depth (ft): 30
Start/Stop Purge Time: 1058/1515
Purge Rate (mL/min): 1000, 500, 1500
Total Purge Volume (L): 892.5 AN 6/12/23
Purge Method: ~~Low Flow~~ / Well Volume Other: —
Sampling Method: Pump Discharge AN Other: —

Sampling Date: 6/7/6/23
Sampler's Name: AJV
Sample Collection Time: N/A
Sample Purge Rate (mL/min): N/A
Sample ID: N/A
Laboratory Analyses: N/A

QA/QC Collected? —
QA/QC I.D. —

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1505	6.15	1853.16	-49.1	0.01	19.05	1213 AN	19.97	1500	877.5	
1510	6.13	1840.6	-62.6	8.01	18.97	798 AN	20.35	1500	885	
1515	6.13	1847.2	-56.4	8.00	19.82	1709 AN	19.05	1500	892.5	pump motor broke, had to terminate purging well development incomplete
										6/12/23 AN
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client: Southern Company
Site: Plant Hammond
Well ID: PT-06
Total Depth (ft): 36
Depth to Water (ft): 14.70
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 3.49
Well Volume (L) = gal * 3.785: 13.21
d = well diameter (inches); h = length of water column (feet)
Well Type: (Flush) Stick Up
Well Lock: Yes (No)
Well Cap Condition: (Good) Replace
Well Tag Present: (Yes) No

Project No.: GW6581
Location: Plant Hammond
Pump Type/Model: Megamonsoon pro
Tubing Material: poly
Pump Intake Depth (ft): 31
Start/Stop Purge Time: 1200/1248
Purge Rate (mL/min): 15000
Total Purge Volume (L): 690
Purge Method: Low-Flow Well Volume Other: —
Sampling Method: Pump Discharge Other: —

Sampling Date: 10/27/23
Sampler's Name: AN
Sample Collection Time: —
Sample Purge Rate (mL/min): —
Sample ID: —
Laboratory Analyses: —
QA/QC Collected? —
QA/QC I.D. —

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1222	6.13	1770.2	31.7	0.02	19.17	3052 AU	19.5	15000	330	Pre-purge for 20 min -
1227	6.12	1784.8	30.1	0.07	18.48	2123 AU	19.8	15000	405	PVC filaments got caught
1232	6.12	1792.8	27.1	0.01	18.16	64	18.8	15000	480	in motor & had to remove
1238	6.12	1795.7	26.4	0.01	18.12	18.7	20.0	15000	540	
1242	6.11	1804.4	30.9	0.01	18.11	17.4	20.5	15000	615	
1248	6.11	1797.2	28.6	0.00	18.09	7.50	20.5	15000	690	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client: SCS
Site: Plant Hammond
Well ID: PT-06
Total Depth (ft): 36
Depth to Water (ft): 14.70
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 3.49
Well Volume (L) = gal * 3.785: 13.21
d = well diameter (inches), h = length of water column (feet)
Well Type: (Flush) Stick Up
Well Lock: Yes (No)
Well Cap Condition: (Good) Replace
Well Tag Present: (Yes) No

Project No.: GW65816
Location: AP-2
Pump Type/Model: Monsoon
Tubing Material: Poly
Pump Intake Depth (ft): 31
Start/Stop Purge Time: 1250 / 1358
Purge Rate (mL/min): ~~1,000~~ 300
Total Purge Volume (L): 21
Purge Method: (Low-Flow) Well Volume Other: —
Sampling Method: Pump Discharge Other: —

Sampling Date: 6-27-2023
Sampler's Name: AN
Sample Collection Time: —
Sample Purge Rate (mL/min): —
Sample ID: —
Laboratory Analyses: —
QA/QC Collected? —
QA/QC I.D. —

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1250										
1316	6.09	1814.2	47.1	0.85	21.77	5.53	15.5	300	9	Pre purge for flow
1321	6.08	1837.1	42.2	0.93	22.39	4.43	15.1	300	10.5	
1326	6.08	1830.8	41.8	0.79	22.38	4.68	15.2	300	12	
1333	6.09	1810.8	43.8	0.60	22.44	6.39	15.2	300	13.5	iPad overheated
1338	6.10	1789.0	36.1	0.48	22.10	7.33	15.2	300	15	
1343	6.11	1770.6	33.3	0.40	20.20	5.89	15.2	300	16.5	
1348	6.12	1761.3	32.3	0.34	19.77	4.40	15.2	300	18	
1353	6.12	1762.0	34.5	0.28	19.74	3.01	15.2	300	19.5	
1658	6.12	1763.0	32.2	0.24	19.88	2.08	15.2	300	21	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client: SCS
Site: Plant Hammond
Well ID: MW-55
Total Depth (ft): 26.1
Depth to Water (ft): 17.3
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 1.44
Well Volume (L) = gal * 3.785: 5.45
d = well diameter (inches); h = length of water column (feet)

Well Type: (Flush) Stick Up
Well Lock: Yes (No)
Well Cap Condition: (Good) Replace
Well Tag Present: (Yes) No

Project No.: GWS581
Location: AP-2
Pump Type/Model: MONSOON
Tubing Material: POLY
Pump Intake Depth (ft): 21.1
Start/Stop Purge Time: 1105/1229
Purge Rate (mL/min): 8000
Total Purge Volume (L): 672
Purge Method: Low-Flow Well Volume Other: —
Sampling Method: Pump Discharge Other: —

Sampling Date: 7/5/23
Sampler's Name: AN
Sample Collection Time: —
Sample Purge Rate (mL/min): —
Sample ID: —
Laboratory Analyses: —
QA/QC Collected? —
QA/QC I.D. —

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1129	6.41	1871.2	-18.1	1.43	22.29	25.6	19.8	8000	192	Prepurge 20 min
1134	6.44	1921.9	-16.3	1.43	22.30	38.2	19.8	8000	232	
1139	6.44	1964.9	-36.8	1.49	22.37	21.3	19.8	8000	272	
1144	6.43	1982.9	-35.1	1.68	22.37	18.6	19.8	8000	~~28~~ 312	
1149	6.42	1993.9	-34.1	1.73	22.45	22.0	19.8	8000	352	
1154	6.42	1987.0	-33.9	1.74	22.52	25.1	19.8	8000	392	
1159	6.52	2127.8	-25.0	1.54	21.26	59	19.8	8000	432	
1204	6.49	2037.9	-17.1	1.86	21.63	73.8	19.8	8000	472	
1209	6.39	1958.6	-13.0	0.52	22.22	49.4	19.8	8000	512	
1214	6.48	2048.3	-23.1	0.63	21.69	40.0	19.8	8000	552	
1219	6.48	2056.3	-46.3	0.87	21.73	17.8	19.8	8000	592	
1224	6.49	2063.9	-21.2	1.04	21.69	11.0	19.8	8000	632	
1229	6.50	2070.5	-45.1	1.00	21.63	9.47	19.8	8000	672	
									AN	~~7/10/23~~ 7/5/23
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		**0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)**		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client: SCS
Site: Plant Hammond
Well ID: MW-SS
Total Depth (ft): 26.1
Depth to Water (ft): 17.3
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 1.44
Well Volume (L) = gal * 3.785: 5.43
d = well diameter (inches); h = length of water column (feet)
Well Type: (Flush) Stick Up
Well Lock: Yes (No)
Well Cap Condition: (Good) Replace
Well Tag Present: (Yes) No

Project No.: GW0581
Location: APP-2
Pump Type/Model: Monsoon
Tubing Material: poly
Pump Intake Depth (ft): 21.1
Start/Stop Purge Time: 1230/1250
Purge Rate (mL/min): 200
Total Purge Volume (L): 4
Purge Method: (Low-Flow) Well Volume Other: –
Sampling Method: Pump Discharge Other: –

Sampling Date: 7/5/23
Sampler's Name: AN
Sample Collection Time: –
Sample Purge Rate (mL/min): –
Sample ID: –
Laboratory Analyses: –
QA/QC Collected? –
QA/QC I.D. –

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1235	6.51	2115.1	-29.8	0.77	22.2	14.0	19.0	200	1	prepurge for flow
1240	6.65	2186.6	-88.0	0.15	23.43	14.8	19.0	200	2	
1245	6.70	2175.1	-56.1	0.08	23.46	5.32	19.0	200	3	
1250	6.71	2171.6	-92.9	0.08	23.76	4.48	19.0	200	4	
										7/5 MAN
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client: SCS
Site: PCAP + Hammond
Well ID: MW-56
Total Depth (ft): 24.1
Depth to Water (ft): 9.3
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 2.43
Well Volume (L) = gal * 3.785: 9.198
d = well diameter (inches); h = length of water column (feet)

Well Type: Flush (Stick Up)
Well Lock: (Yes) No
Well Cap Condition: (Good) Replace
Well Tag Present: (Yes) No

Project No.: GW-0581
Location: AP-2
Pump Type/Model: MONSOON
Tubing Material: POLY
Pump Intake Depth (ft): 19.1
Start/Stop Purge Time: ~~1030~~ AN 1025/1137
Purge Rate (mL/min): 9000
Total Purge Volume (L): 648
Purge Method: Low-Flow Well Volume Other: —
Sampling Method: Pump Discharge Other: —

Sampling Date: 6/30/23
Sampler's Name: AN
Sample Collection Time: —
Sample Purge Rate (mL/min): —
Sample ID: —
Laboratory Analyses: —
QA/QC Collected? —
QA/QC I D —

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1047 5.11	~~9.30~~ AN	2386.10	351.8	0.04	17.54	914 AN	9.7	9000	198	
1052	5.05	2398.0	514.7	0.07	17.53	749 AN	9.7	9000	243	
1057	5.01	2407.4	521.2	0.02	17.49	30	9.7	9000	288	
1102	5.00	2403.0	478.6	0.02	17.47	25	9.7	9000	333	
1107	5.00	2401.3	478.9	0.01	17.49	67.4	9.7	9000	378	
1112	4.98	2401.3	487.4	0.01	17.49	48.2	9.7	9000	423	
1117	4.96	2405.6	529.3	0.00	17.48	35.2	9.7	9000	468 AN	
1122	4.96	2409.2	450.0	0.00	17.48	23.8	9.7	9000	513	
1127	4.98	2406.8	454.0	0.00	17.47	15.8	9.7	9000	558	
1132	4.99	2407.1	451.6	0.00	17.50	11.8	9.7	9000	603	
1137	4.93	2413.9	456.4	0.00	17.50	9.55	9.7	9000	648	
									AN 6/30/23	
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client: SCS
Site: Plant Hammond
Well ID: MW-56
Total Depth (ft): 24.1
Depth to Water (ft): 9.3
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 2.43
Well Volume (L) = gal * 3.785: 9.198
d = well diameter (inches); h = length of water column (feet)

Well Type: Flush (Stick Up)
Well Lock: (Yes) No
Well Cap Condition: (Good) Replace
Well Tag Present: (Yes) No

Project No.: GW060581
Location: AP-2
Pump Type/Model: Monsoon
Tubing Material: poly
Pump Intake Depth (ft): 19.1
Start/Stop Purge Time: 1139 / 1244
Purge Rate (mL/min): 250
Total Purge Volume (L): 16.25
Purge Method: (Low-Flow) Well Volume Other: —
Sampling Method: Pump Discharge Other: —

Sampling Date: 6/30/23
Sampler's Name: AN
Sample Collection Time: —
Sample Purge Rate (mL/min): —
Sample ID: —
Laboratory Analyses: —
QA/QC Collected? —
QA/QC I.D. —

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1144	4.92	2481.6	360.1	0.02	19.00	36.4	9.4	250	1.25	pre purge for flow
1149	4.95	2408.1	2496.6	0.03	20.93	23.5	9.4	250	2.5	
1154	4.91	2409.8	467.0	0.01	19.32	13.6	9.4	250	3.75	
1159	4.97	2412.1	301.2	0.01	18.81	11.9	9.4	250	5	
1204	4.93	2413.5	283.5	0.01	18.96	9.14	9.4	250	6.25	
1209	4.93	2408.8	270.3	0.01	19.00	8.12	9.4	250	7.5	
1214	4.94	2407.8	255.8	0.01	19.17	7.19	9.4	250	8.75	
1219	4.94	2408.6	347.9	0.02	19.15	7.02	9.4	250	10	
1224	4.96	2397.0	255.1	0.01	18.61	7.85	9.4	250	11.25	
1229	4.96	2400.5	400.1	0.01	18.37	20.0	9.4	250	12.5	
1234	4.95	2436.9	302.8	0.01	18.38	9.66	9.4	250	13.75	
1239	4.96	2470.9	258.4	0.02	19.24	10.12	9.4	250	15	
1244	4.96	2400.4	337.4	0.02	19.30	4.67	9.4	250	16.25	
										AN 6/30/23
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client: SCS
Site: Plant Hammond
Well ID: MW-57
Total Depth (ft): 24.4
Depth to Water (ft): 10.1
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 2.35
Well Volume (L) = gal * 3.785: 8.89
d = well diameter (inches); h = length of water column (feet)
Well Type: Flush / (Stick Up)
Well Lock: (Yes) / No
Well Cap Condition: (Good) / Replace
Well Tag Present: (Yes) / No

Project No.: GWLES81
Location: AP-2
Pump Type/Model: monsoon
Tubing Material: poly
Pump Intake Depth (ft): 19.4
Start/Stop Purge Time: 1510/1540
Purge Rate (mL/min): 8000
Total Purge Volume (L): 240
Purge Method: Low-Flow / Well Volume / Other: –
Sampling Method: Pump Discharge / Other: –

Sampling Date: 7/6/23
Sampler's Name: AN
Sample Collection Time: –
Sample Purge Rate (mL/min): –
Sample ID: –
Laboratory Analyses: –
QA/QC Collected? –
QA/QC I.D. –

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1530	6.24	2246.6	18.9	0.49	19.17	62.8	17.3	8000	160	pre purge 20min
1535	6.29	2278.5	18.0	0.40	17.75	16.3	17.3	8000	200	
1540	6.25	2224.2	6.5	0.81	17.68	8.56	17.3	8000	240	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client: SCS
Site: Plant Hammond
Well ID: MW-57
Total Depth (ft): 24.4
Depth to Water (ft): 10.1
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 2.35
Well Volume (L) = gal * 3.785: 8.89
d = well diameter (inches); h = length of water column (feet)
Well Type: Flush / Stick Up (AN)
Well Lock: Yes / No
Well Cap Condition: Good / Replace
Well Tag Present: Yes / No

Project No.: GW4581
Location: AP-2
Pump Type/Model: Monsoon
Tubing Material: poly
Pump Intake Depth (ft): 19.4
Start/Stop Purge Time: 1540/1559
Purge Rate (mL/min): 200
Total Purge Volume (L): 3.8
Purge Method: Low-Flow / Well Volume / Other: -
Sampling Method: Pump Discharge / Other: -

Sampling Date: 7/6/23
Sampler's Name: AN
Sample Collection Time: -
Sample Purge Rate (mL/min): -
Sample ID: -
Laboratory Analyses: -
QA/QC Collected? -
QA/QC I.D. -

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1544	6.20	2328.0	16.3	0.58	18.20	6.85	16.3	200	0.8	prc purge for flow
1549	6.41	2486.8	12.4	0.05	18.30	3.08	16.3	200	1.8	
1554	6.42	2489.0	20.2	0.04	18.72	2.67	16.3	200	2.8	
1559	6.39	2481.0	2.8	0.04	18.39	2.39	16.3	200	3.8	
										7/6/23 AN
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client: SCS
Site: Plant Hammond
Well ID: MW-58
Total Depth (ft): 27.0
Depth to Water (ft): 11.7
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 2.51
Well Volume (L) = gal * 3.785: 9.50
d = well diameter (inches); h = length of water column (feet)
Well Type: Flush / (Stick Up)
Well Lock: (Yes) / No
Well Cap Condition: (Good) / Replace
Well Tag Present: (Yes) / No

Project No.: GW16581
Location: AP-2
Pump Type/Model: Monsoon
Tubing Material: poly
Pump Intake Depth (ft): 22
Start/Stop Purge Time: 0835/0930
Purge Rate (mL/min): 8000
Total Purge Volume (L): 540
Purge Method: Low-Flow Well Volume Other: —
Sampling Method: Pump Discharge Other: —

Sampling Date: 6/30/23
Sampler's Name: AN
Sample Collection Time: —
Sample Purge Rate (mL/min): —
Sample ID: —
Laboratory Analyses: —
QA/QC Collected? —
QA/QC I D —

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
0855	5.58	1292.3	129.1	0.61	17.32	1389 AV	14.1	8000	160	pre purge 20 min
0900	5.61	1292.9	149.5	0.61	17.14	919 AV	14.1	8000	200	
0905	5.64	1256.0	135.4	0.81	17.09	623 AV	14.6	8000	240	
0910	5.65	1270.2	85.3	0.71	17.05	67.2	14.7	8000	380	
0915	5.67	1259.9	111.1	0.72	17.04	37.3	14.7	8000	420	
0920	5.69	1262.7	107.2	0.71	17.05	16.4	14.7	8000	460	
0925	5.69	1266.8	72.6	0.71	17.05	12.53	14.7	8000	500	
0930	5.70	1265.7	95.6	0.68	17.04	7.46	14.7	8000	540	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client: SCS
Site: Plant Hammond
Well ID: MW-58
Total Depth (ft): 27.0
Depth to Water (ft): 11.7
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 2.51
Well Volume (L) = gal * 3.785: 9.50
d = well diameter (inches), h = length of water column (feet)
Well Type: Flush (Stick Up)
Well Lock: (Yes) No
Well Cap Condition: (Good) Replace
Well Tag Present: (Yes) No

Project No.: GW0558.1
Location: AP-2
Pump Type/Model: monsoon
Tubing Material: poly
Pump Intake Depth (ft): 22.35
Start/Stop Purge Time: 0941 / 0951
Purge Rate (mL/min): 250
Total Purge Volume (L): 4
Purge Method: (Low-Flow) Well Volume Other: –
Sampling Method: Pump Discharge Other: –

Sampling Date: 6/30/23
Sampler's Name: AN
Sample Collection Time: –
Sample Purge Rate (mL/min): –
Sample ID: –
Laboratory Analyses: –
QA/QC Collected? –
QA/QC I.D. –

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
0941	5.59	1371.1	109.7	0.38	17.74	3.17	12.1	250	1.5	pre purge for flow
0946	5.62	1362.3	73.6	0.31	18.03	1.67	12.2	250	2.75	
0951	5.63	1347.6	69.5	0.31	17.95	1.28	12.2	250	4	
									AN	
										6/30/23
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client: APS CS
Site: Plant Hammond
Well ID: MW-59
Total Depth (ft): 44.8
Depth to Water (ft): 27.5
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 2.84
Well Volume (L) = gal * 3.785: 10.75
d = well diameter (inches); h = length of water column (feet)

Well Type: Flush (Stick Up)
Well Lock: (Yes) No
Well Cap Condition: (Good) Replace
Well Tag Present: (Yes) No

Project No.: GW058IG
Location: AP-2
Pump Type/Model: MONSOON
Tubing Material: POLY
Pump Intake Depth (ft): 39.8
Start/Stop Purge Time: 1335/1435
Purge Rate (mL/min): 8000
Total Purge Volume (L): 360
Purge Method: Low-Flow Well Volume Other: —
Sampling Method: Pump Discharge Other: —

Sampling Date: 6/29/23
Sampler's Name: AN
Sample Collection Time: —
Sample Purge Rate (mL/min): —
Sample ID: —
Laboratory Analyses: —
QA/QC Collected? —
QA/QC I.D. —

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1415	5.97	1840.0	45.4	3.47	21.28	991 AN	37.5	8000	200	pre purge 20 min, PVC filament stuck multiple times, had to remove
1420	5.90	1859.3	45.3	4.11	20.45	overrange	38.5	8000	240	
1425	5.90	1851.5	40.6	3.54	20.47	32.2	38.8	8000	280	
1430	5.78	1892.8	50.4	2.18	20.71	116.0	38.8	8000	320	
1435	5.69	1856.2	59.7	1.92	20.84	0.85	38.8	8000	360	
										6/29/23 AN
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client: SCS
Site: Plant Hammond
Well ID: MW-59
Total Depth (ft): 44.8
Depth to Water (ft): 27.5
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 2.84
Well Volume (L) = gal * 3.785: 10.75
d = well diameter (inches); h = length of water column (feet)

Well Type: Flush (Stick Up)
Well Lock: (Yes) No
Well Cap Condition: (Good) Replace
Well Tag Present: (Yes) No

Project No.: GW0581G
Location: AP-2
Pump Type/Model: Monsoon
Tubing Material: PolY
Pump Intake Depth (ft): 39.8
Start/Stop Purge Time: ~~0900~~ AN 1335/1440/1512
Purge Rate (mL/min): ~~300~~ 300
Total Purge Volume (L): ~~8.1~~ 9.6
Purge Method: (Low-Flow) Well Volume Other: –
Sampling Method: Pump Discharge Other: –

Sampling Date: 6/29/23
Sampler's Name: ~~KH~~ AN
Sample Collection Time: –
Sample Purge Rate (mL/min): –
Sample ID: –
Laboratory Analyses: –
QA/QC Collected? –
QA/QC I.D. –

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1442	5.65	1886.0	61.4	1.35	21.75	4.80	37.5	300	0.6	
1447	5.62	1861.6	55.9	0.61	21.56	2.55	37.1	300	2.1	
1452	5.63	1933.6	59.2	1.55	21.33	2.00	37.0	300	3.6	
1457	5.62	1992.0	83.0	1.70	21.28	1.23	37.0	300	5.1	
MW 1502	5.62	2052.2	89.4	2.23	21.24	1.42	37.0	300	6.6	
1507	5.60	2088.8	93.0	2.45	21.11	1.26	37.0	300	8.1	
1512	5.59	2101.2	95.2	2.41	21.21	1.12	37.0	300	9.6	
										AN 6/29/23
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client:	SCS	Project No.:	GW1658
Site:	Plant Hammond	Location:	AP-2
Well ID:	IW-01	Pump Type/Model:	Monsoon
Total Depth (ft):	23.4	Tubing Material:	PDLY
Depth to Water (ft):	9.7	Pump Intake Depth (ft):	18.4
Well Diameter (in):	2	Start/Stop Purge Time:	0915/1025
Well Volume (gal) = 0.041d²h:	2.25	Purge Rate (mL/min):	8000
Well Volume (L) = gal * 3.785:	8.50	Total Purge Volume (L):	560

d = well diameter (inches); h = length of water column (feet)

Purge Method: Low-Flow Well Volume Other: —

Sampling Method: Pump Discharge Other: —

Sampling Date: 7/6/23

Sampler's Name: AN

Sample Collection Time: —

Sample Purge Rate (mL/min): —

Sample ID: —

Laboratory Analyses: —

QA/QC Collected? —

QA/QC I.D. —

Well Type: Flush (Stick Up)

Well Lock: (Yes) No

Well Cap Condition: (Good) Replace

Well Tag Present: (Yes) No

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
0935	5.65	1852.9	2.2	2.56	19.90	1879 AN	18.0	8000	160	pre purge 20min
0940	5.56	1865.7	-6.0	2.91	20.26	834 AN	18.0	8000	200	
0945	5.82	25.48	85.8	6.10	21.28	193 AN	18.0	8000	240	not run ave to purging dry
0950	5.50	1964.0	6.2	3.70	19.90	79	18.0	8000	280	
0955	5.52	2052.1	-32.0	1.97	21.20	70	18.0	8000	320	
1000	5.47	2089.2	-28.9	2.14	21.62	28	18.0	8000	360	
1005	5.46	2115.9	-31.8	2.17	22.51	42	18.0	8000	400	
1010 AN	5.51	2145.5	-43.9	1.24	22.80	27	18.0	8000	440	
1015	5.42	2092.8	0.4	2.69	20.38	1062 AN	18.0	8000	480	
1020	5.37	2150.9	14.2	4.78	19.79	36	18.0	8000	520	
1025	5.33	21889	-3.8	3.97	20.63	9.0	18.0	8000	560	
										7/6/23 AN
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client: SCS
Site: Plant Hammond
Well ID: MW-01
Total Depth (ft): 23.4
Depth to Water (ft): 9.7
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 2.75
Well Volume (L) = gal * 3.785: 8.50
d = well diameter (inches); h = length of water column (feet)
Well Type: Flush (Stick Up)
Well Lock: (Yes) No
Well Cap Condition: (Good) Replace
Well Tag Present: (Yes) No

Project No.: GW0581
Location: AP-2
Pump Type/Model: MONSOON
Tubing Material: POLY
Pump Intake Depth (ft): 18.4
Start/Stop Purge Time: 1025 / 1225
Purge Rate (mL/min): 200
Total Purge Volume (L): 20
Purge Method: (Low-Flow) Well Volume Other: –
Sampling Method: Pump Discharge Other: –

Sampling Date: 7/6/23
Sampler's Name: AN
Sample Collection Time: –
Sample Purge Rate (mL/min): –
Sample ID: –
Laboratory Analyses: –
QA/QC Collected? –
QA/QC I.D. –

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1030	5.35	2229.4	27	2.08	21.44	80.9	18.0	200	1	prepurge for flow
1035	5.31	2151.1	14.1	3.060	19.88	73.4	18.0	200	2	
1040	5.22	2228.5	2.1	3.38	23.01	25	18.0	200	3	
1045	5.29	2279.7	15.4	2.11	23.34	75.9	18.0	200	4	
1050	5.32	2260.8	20.4	1.08	23.50	58.1	18.0	200	5	
1055	5.09	2233.7	28.2	4.72	19.77	48.1	18.0	200	6	pumped dry, wait to recover
1120	5.12	2273.8	28.4	2.99	20.83	98	18.0	200	7	
1125	5.01	2277.9	32.8	4.78	19.5	77.1	18.0	200	8	
1130	5.02	2322.9	28.1	4.36	20.22	65.1	18.0	200	9	
1135	5.02	2342.4	22.7	3.19	20.68	31.5	18.0	200	10	
1140	5.01	2345.5	21.4	3.19	20.70	16.7	18.0	200	11	
1145	5.00	2349.2	21.9	3.03	20.84	11.0	18.0	200	12	
1150	4.99	2358.0	21.3	2.75	20.93	7.21	18.0	200	13	
1155	4.99	2360.8	21.2	3.28	20.21	6.8	18.0	200	14	
1200	4.97	2346.1	23.5	2.80	20.60	9.7	18.0	200	15	
1205	4.94	2360.8	23.2	2.84	20.66	8.3	18.0	200	16	
1210	4.93	2349.3	22.1	2.49	20.83	5.8	18.0	200	17	
1215	4.93	2360.5	24.1	2.87	20.34	7.29	18.0	200	18	
1220	4.89	2355.0	26.2	2.80	21.04	6.49	18.0	200	19	
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client: SCS
Site: Plant Hammond
Well ID: IW-01
Total Depth (ft): 23.4
Depth to Water (ft): 9.7
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 2.25
Well Volume (L) = gal * 3.785: 8.50
d = well diameter (inches); h = length of water column (feet)

Project No.: GW0581
Location: PP-2
Pump Type/Model: monsoon
Tubing Material: poly
Pump Intake Depth (ft): 18
Start/Stop Purge Time: 1025/1225
Purge Rate (mL/min): 200
Total Purge Volume (L): 20
Purge Method: (Low-Flow) Well Volume Other: —
Sampling Method: Pump Discharge Other: —

Sampling Date: 7/6/23
Sampler's Name: AN
Sample Collection Time: —
Sample Purge Rate (mL/min): —
Sample ID: —
Laboratory Analyses: —
QA/QC Collected? —
QA/QC I.D. —

Well Type: Flush (Stick Up)
Well Lock: (Yes) No
Well Cap Condition: (Good) Replace
Well Tag Present: (Yes) No

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1225	4.91	23550	23.9	2.62	20.70	4.91	18.0	200	20	
										AN
										7/6/23
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client: SCS
Site: Plant Hammond
Well ID: MW-02
Total Depth (ft): ~~btoc~~ 35.16
Depth to Water (ft): 14.49
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 3.39
Well Volume (L) = gal * 3.785: 12.8
d = well diameter (inches); h = length of water column (feet)
Well Type: (Flush) Stick Up
Well Lock: Yes (No)
Well Cap Condition: (Good) Replace
Well Tag Present: (Yes) No

Project No.: GW6581G
Location: AP-2
Pump Type/Model: Monsoon
Tubing Material: Poly
Pump Intake Depth (ft): 34.5
Start/Stop Purge Time: 1024/1537
Purge Rate (mL/min): 4 gal/min
Total Purge Volume (L): 1146 gal
Purge Method: Low-Flow Well Volume Other: —
Sampling Method: Pump Discharge Other: —

Sampling Date: 6-26-2023
Sampler's Name: A. Stewart
Sample Collection Time: —
Sample Purge Rate (mL/min): —
Sample ID: —
Laboratory Analyses: —
QA/QC Collected? —
QA/QC I.D. —

All sample containers requiring chemical preservation properly preserved prior to demob from well? (Yes) No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (gal/min)	Purged Volume (gal)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1024	6.								—	Pre-purge 2 gal/min
1117	6.30	1670.5	-18.6	0	18.21	7500	17.80	4.0	106	increase purge rate to 4 gal/min
1122	6.29	1666.6	-16.6	0	18.21	>5000	17.88	4	126	Turbidity Over range (>500 NTU)
1127	6.30	1652.6	-33.1	0	18.18	>500	17.88	4	146	
1132	6.30	1665.1	-17.8	0	18.18	>500	17.88	4	166	
1137	6.30	1661.7	-18.3	0	18.18	>500	17.97	4	186	
1142	6.31	1730.8	-36.7	0	18.22	>500	17.74	4	206	
1147	6.30	1668.2	-16.9	0	18.20	>500	18.05	4	226	
1152	6.30	1674.0	-36.8	0	18.19	>500	17.45	4	246	
1157	6.30	1670.2	-16.2	0	18.24	>500	18.12	4	266	
1202	6.31	1678.6	-37.4	0	18.21	>500	18.12	4	286	
1207	6.30	1662.5	-16.5	0	18.21	>500	18.15	4	306	
1212	6.30	1682.6	-35.6	0	18.21	>500	18.04	4	326	
1217	6.31	1711.4	-19.0	0	18.23	4090 AU	18.26	4	346	Turbidity units: AU
1222	6.30	1680.0	-35.9	0	18.21	3775 AU	18.26	4	366	
1227	6.30	1680.7	-36.5	0	18.20	3457 AU	18.30	4	386	
1232	6.29	1742.1	-38.4	0	18.18	1904 AU	18.45	4	406	
1237	6.30	1725.7	-18.6	0	18.21	2670 AU	18.53	4	426	
1242	6.30	1683.0	-35.8	0	18.21	2586 AU	18.50	4	446	
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client:	SCS	Project No.:	GW65816
Site:	Plant Hammond	Location:	AP-2
Well ID:	MW-02	Pump Type/Model:	Monsoon
Total Depth (ft):	35.16	Tubing Material:	Poly
Depth to Water (ft):	14.49	Pump Intake Depth (ft):	34.5
Well Diameter (in):	2	Start/Stop Purge Time:	1024/1537
Well Volume (gal) = 0.041d²h:	3.39	Purge Rate (mL/min):	4 gal/min
Well Volume (L) = gal * 3.785:	12.8	Total Purge Volume (L):	1146 gal

d = well diameter (inches); h = length of water column (feet)

Well Type: (Flush) Stick Up

Well Lock: Yes (No)

Well Cap Condition: (Good) Replace

Well Tag Present: (Yes) No

Purge Method: Low-Flow Well Volume Other: —

Sampling Method: Pump Discharge Other: —

Sampling Date: 6-26-2023

Sampler's Name: A. Szwast

Sample Collection Time: —

Sample Purge Rate (mL/min): —

Sample ID: —

Laboratory Analyses: —

QA/QC Collected? —

QA/QC I.D. —

All sample containers requiring chemical preservation properly preserved prior to demob from well? (Yes) No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate gal/min (~~mL/min~~)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1247	6.31	1687.8	-36.2	0	18.21	2495 AU	18.64	4	466	
1252	6.31	1683.1	-36.6	0	18.21	631 AU	18.61	4	486	
1257	6.31	1711.1	-37.5	0	18.25	1144 AU	18.67	4	506	
1302	6.30	1686.1	-36.2	0	18.21	616 AU	18.71	4	526	
1307	6.31	1681.7	-16.4	0	18.21	593 AU	18.77	4	546	
1312	6.31	1686.3	-35.5	0	18.22	729 AU	18.78	4	566	
1317	6.30	1690.8	-35.4	0	18.22	717 AU	18.85	4	586	
1322	6.31	1692.4	-35.9	0	18.22	788 AU	18.89	4	606	
1327	6.30	1693.4	-15.4	0	18.24	662 AU	18.93	4	626	
1332	6.30	1696.2	-34.4	0	18.25	666 AU	18.96	4	646	
1337	6.30	1696.5	-15.4	0	18.24	71 NTU	19.08	4	666	Used 2nd turbidity meter. (Checked calibration on 1ST meter, Calibration off) Use 2nd meter
1342	6.30	1698.0	-34.9	0	18.24	36.2 NTU	19.09	4	686	
1347	6.30	1695.7	-35.1	0	18.25	79.6 NTU	19.14	4	706	
1352	6.31	1694.7	-15.5	0	18.25	123 NTU	19.16	4	726	
1357	6.30	1697.8	-34.8	0	18.25	65.3 NTU	19.22	4	746	
1402	6.30	1702.8	-33.2	0	18.26	30 NTU	19.21	4	766	
1407	6.30	1703.3	-33.5	0	18.26	~~104 NTU~~	19.30	4	786	Adjust flow, Turbidity = 36 NTU
1412	6.30	1705.3	-13.8	0	18.26	43.1 NTU	19.95	4	806	
1417	6.31	1706.5	-34.5	0	18.31	108 NTU	20.03	4	826	
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client:	SCS	Project No.:	GW65816
Site:	Plant Hammond	Location:	AP-2
Well ID:	INW-02	Pump Type/Model:	Monsoon
Total Depth (ft):	35.16	Tubing Material:	Poly
Depth to Water (ft):	14.49	Pump Intake Depth (ft):	34.5
Well Diameter (in):	2	Start/Stop Purge Time:	1024/1537
Well Volume (gal) = 0.041d²h:	3.39	Purge Rate (mL/min):	4 gal/min
Well Volume (L) = gal * 3.785:	12.8	Total Purge Volume (L):	1146 gal
d = well diameter (inches), h = length of water column (feet)		Purge Method:	Low-Flow Well Volume Other: —
Well Type:	(Flush) Stick Up	Sampling Method:	Pump Discharge Other: —
Well Lock:	Yes (No)		
Well Cap Condition:	(Good) Replace		
Well Tag Present:	(Yes) No		

Sampling Date:	6-26-2023
Sampler's Name:	A. Szwast
Sample Collection Time:	—
Sample Purge Rate (mL/min):	—
Sample ID:	—
Laboratory Analyses:	—
QA/QC Collected?	—
QA/QC I.D.	—

All sample containers requiring chemical preservation properly preserved prior to demob from well? (Yes) No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate ~~(mL/min)~~ gal/min	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1422	6.30	1710.7	-34.8	0	18.30	104	19.55	4	846	
1427	6.31	1715.2	-15.6	0	18.31	—	—	4	866	Assist AN with pump issues
1432	6.31	1718.4	-35.2	0	18.30	—	—	4	886	
1437	6.30	1712.7	-75.3	0	18.30	—	—	4	906	
1442	6.30	1716.4	-15.5	0	18.30	—	—	4	926	
1447	6.30	1717.6	-14.8	0	18.30	6.27	19.49	4	946	
1452	6.30	1712.7	-34.0	0	18.30	1344 AU	19.62	4	966	purge water surface well
1457	6.31	1709.9	-15.4	0	18.34	65.0	19.71	4	986	
1502	6.30	1716.0	-33.1	0	18.32	94.2	19.88	4	1006	
1507	6.30	1719.1	-33.5	0	18.31	28.5	20.04	4	1026	
1512	6.30	1709.5	-13.2	0	18.33	77.4	19.88	4	1046	
1517	6.30	1711.9	-30.6	0	18.34	68.3	19.99	4	1066	
1522	6.30	1723.1	-31.5	0	18.34	67.3	19.84	4	1086	
1527	6.30	1722.5	-11.9	0	18.34	11.28	19.73	4	1106	
1532	6.30	1723.6	-30.9	0	18.34	7.72	19.71	4	1126	
1537	6.30	1714.6	-12.0	0	18.34	4.17	19.73	4	1146	
1542										
					(EOD) 6-26-2023					
Stabilizing Criteria	**+/- 0.1 SU**	**+/- 5%**		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		**< 5 NTUs**	**< 0.3 ft**	**> 100 mL < 250 mL**	**> 3L**	

Geosyntec consultants

GROUNDWATER SAMPLING LOG SHEET

Client: SCS
Site: Plant Hammond
Well ID: INW-02
Total Depth (ft): 35.16
Depth to Water (ft): 17.18
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 2.95
Well Volume (L) = gal * 3.785: 11.2
d = well diameter (inches), h = length of water column (feet)
Well Type: (Flush) Stick Up
Well Lock: Yes (No)
Well Cap Condition: (Good) Replace
Well Tag Present: (Yes) No

Project No.: GW658160
Location: AP-2
Pump Type/Model: Monsoon
Tubing Material: Poly
Pump Intake Depth (ft): 30.16
Start/Stop Purge Time: 1550 / 1624
Purge Rate (mL/min): 150 mL/min
Total Purge Volume (L): 5.1
Purge Method: (Low-Flow) Well Volume Other: —
Sampling Method: Pump Discharge Other: —

Sampling Date: 6-26-2023
Sampler's Name: A. Szwast
Sample Collection Time: —
Sample Purge Rate (mL/min): —
Sample ID: —
Laboratory Analyses: —
QA/QC Collected? —
QA/QC I.D. —

All sample containers requiring chemical preservation properly preserved prior to demob from well? (Yes) No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft btoc)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1550						6-26-2023				Pre-purge 10 min for flow
1600	6.33	1741.6	-22.8	0.07	23.89	4.17	17.12	150	1.5	
1604	6.35	1720.0	-36.1	0.00	21.87	1.84	17.08	150	2.1	iPad reset.
1609	6.34	1748.8	-17.0	0.00	20.53	1.55	17.01	150	2.9	
1614	6.32	~~22.36~~	-38.4	0.00	22.36	1.73	16.81	150	3.6	Conductivity = 1748.8
1619	6.33	1738.3	-44.0	0.00	23.76	1.63	16.84	150	4.4	
1624	6.34	1713.6	-42.6	0.00	22.53	1.20	16.60	150	5.1	
					(O2)	6-26-2023				
Stabilizing Criteria	+/- 0.1 SU	+/- 5%		0.2 mg/L or 10% for DO > 0.5 mg/L (whichever is greater)		< 5 NTUs	< 0.3 ft	> 100 mL < 250 mL	> 3L	

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EQUIPMENT CALIBRATION LOG

Field Technician: A. Stewart | Date: 6-26-2023 | Time (start): 855 | Time (finish): 915

smarTroll SN: 959630 | Turbidity Meter Type: LaMote 2020we | SN: 1603-4411

Weather Conditions: Sunny, 70°F | Facility and Unit: Plant Hammond | Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	24000044 05/2024	24.15	4490	4094	4490.0	+/- 5 %	(Yes) No	
pH (4)		24.42	4.00	4.04	4.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (4) check	—	—	4.00	—	—	+/- 0.1 SU	Yes No	
pH (7)	22290139 04/2024	24.72	7.00	7.05	7.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (7) check	—	—	7.00	—	—	+/- 0.1 SU	Yes No	
pH (10)	22110130 04/2024	24.98	10.00	9.95	10.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (10) check	—	—	10.00	—	—	+/- 0.1 SU	Yes No	
ORP (mV)	21390144 11/2023	25.05	228	291	228.0	+/- 20mV	(Yes) No	
DO (%) (1pt, 100% water saturated air cal)	[redacted]	[redacted]	100	101.56	100.0	+/- 6 % saturation	(Yes) No	
Turbidity 0 NTU	[redacted]	[redacted]	0	0.00	—	+/- 0.5 NTU	(Yes) No	
Turbidity 1 NTU	[redacted]	[redacted]	1.00	0.50	0.60	+/- 0.5 NTU	(Yes) No	
Turbidity 10 NTU	[redacted]	[redacted]	10.00	10.94	10.01	+/- 0.5 NTU	(Yes) No	

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EQUIPMENT CALIBRATION LOG

Field Technician: Alana Neely

Date: 6/26/23

Time (start): 0845

Time (finish): 0915

smarTroll SN: 883553

Turbidity Meter Type: LaMote 2020we

SN: 7007-1416

Weather Conditions: 70-91°, sunny

Facility and Unit: Plant Hammond

Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	22250153 11/23	25.05	4490	4020.7	4489.0	+/- 5 %	(Yes) No	
pH (4)			4.00	4.03	4.00	+/- 0.1 SU	Yes No	
Mid-Day pH (4) check	—	—	4.00	—	—	+/- 0.1 SU	Yes No	
pH (7)	22168931 11/23	24.92	7.00	7.14	7.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (7) check	—	—	7.00	—	—	+/- 0.1 SU	Yes No	
pH (10)	21320202 12/23	24.96	10.00	10.39	10.0	+/- 0.1 SU	(Yes) No	
Mid-Day pH (10) check	—	—	10.00	—	—	+/- 0.1 SU	Yes No	
ORP (mV)	21390144 11/23	25.51	228	228.1	228	+/- 20mV	(Yes) No	
DO (%) (1pt, 100% water saturated air cal)	[redacted]		100	99.29	100.18	+/- 6 % saturation	(Yes) No	
Turbidity 0 NTU			0	0.01	0.01	+/- 0.5 NTU	(Yes) No	
Turbidity 1 NTU			1.00	~~0.88~~	1.02	+/- 0.5 NTU	(Yes) No	
Turbidity 10 NTU			10.00	11.38	~~9.9~~ 10.01	+/- 0.5 NTU	(Yes) No	

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EQUIPMENT CALIBRATION LOG

Field Technician: A. Szwast | Date: 6-27-2023 | Time (start): 1145 | Time (finish): 1200

smarTroll SN: 989630 | Turbidity Meter Type: LaMote 2020we | SN: 7009-1416

Weather Conditions: Sunny, 85°F | Facility and Unit: Plant | Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	2400044 05/2024	30.09	4490	4318.3	4490	+/- 5 %	(Yes) No	
pH (4)		29.92	4.00	4.07	4.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (4) check	~~22290139 04/~~		~~4.00~~			+/- 0.1 SU	Yes No	
pH (7)	22290139 04/2024	29.68	7.00	7.01	7.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (7) check			7.00			+/- 0.1 SU	Yes No	
pH (10)	22110130 04/2024	29.53	10.00	10.02	10.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (10) check			~~10.00~~			+/- 0.1 SU	Yes No	
ORP (mV)	21390144 11/2023	29.73	228	217.4	228.0	+/- 20mV	(Yes) No	
DO (%) (1pt, 100% water saturated air cal)	[redacted]		100	96.99	100	+/- 6 % saturation	(Yes) No	
Turbidity 0 NTU			0	~~0.41~~	0.0	+/- 0.5 NTU	(Yes) No	See AN's cal report
Turbidity 1 NTU			1.00	0.92	0.98	+/- 0.5 NTU	(Yes) No	New turbidity meter 1315
Turbidity 10 NTU			10.00	9.95	~~10.08~~	+/- 0.5 NTU	(Yes) No	

↑ readings ok

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EQUIPMENT CALIBRATION LOG

Field Technician: Mana Neely | Date: 6/27/23 | Time (start): 0735 | Time (finish): 0755

smarTroll SN: 883553 | Turbidity Meter Type: LaMote 2020we | SN: 7007-1416

Weather Conditions: 66-89°, sunny | Facility and Unit: Plant Hammond | Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	22250153 11/23	27.06	4490	4,501.1	4486.0	+/- 5 %	(Yes) No	
pH (4)			4.00	4.18	3.99	+/- 0.1 SU	(Yes) No	
Mid-Day pH (4) check	—	—	4.00	—	—	+/- 0.1 SU	Yes No	
pH (7)	2216893 11/23	26.72	7.00	6.97	7.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (7) check	—	—	7.00	—	—	+/- 0.1 SU	Yes No	
pH (10)	21320202 12/23	26.92	10.00	9.89	10.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (10) check	—	—	10.00	—	—	+/- 0.1 SU	Yes No	
ORP (mV)	2390144 11/23	25.06	228	217.0	228.2	+/- 20mV	(Yes) No	
DO (%) (1pt, 100% water saturated air cal)	[redacted]		100	98.78%	99.78%	+/- 6 % saturation	(Yes) No	
Turbidity 0 NTU			0	0.04	-0.01	+/- 0.5 NTU	(Yes) No	
Turbidity 1 NTU			1.00	~~0.37~~ 0.80	0.99	+/- 0.5 NTU	(Yes) No	
Turbidity 10 NTU			10.00	12.42	9.87	+/- 0.5 NTU	(Yes) No	

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EQUIPMENT CALIBRATION LOG

Field Technician: A. Seward

Date 6-28-2023

Time (start): 1310

Time (finish): 1345

smarTroll SN: 989630

Turbidity Meter Type: LaMote 2020we

SN: 7009-1416

Weather Conditions: Sunny, 85°F

Facility and Unit: Plant Hammond

Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	240000444 05/2024	38.12	4490	4578.5	4490.0	+/- 5 %	(Yes) No	
pH (4)		38.12	4.00	4.01	4.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (4) check			~~4.00~~			+/- 0.1 SU	Yes No	
pH (7)	22290139 04/2024	33.87	7.00	6.96	7.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (7) check			~~7.00~~			+/- 0.1 SU	Yes No	
pH (10)	22110130 04/2024	32.48	10.00	9.88	10.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (10) check			~~10.00~~			+/- 0.1 SU	Yes No	
ORP (mV)	21390144 11/2023	32.18	228	225.2	228.0	+/- 20mV	(Yes) No	
DO (%) (1pt, 100% water saturated air cal)	[redacted]		100	100.85	100.0	+/- 6 % saturation	(Yes) No	
Turbidity 0 NTU			0	0.45	0.0	+/- 0.5 NTU	(Yes) No	
Turbidity 1 NTU			1.00	0.91	-	+/- 0.5 NTU	(Yes) No	
Turbidity 10 NTU			10.00	10.78	10.07	+/- 0.5 NTU	(Yes) No	

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EQUIPMENT CALIBRATION LOG

Field Technician: Mana Neely

Date: 6/28/23

Time (start): 0730

Time (finish): 0800

smarTroll SN: 883553

Turbidity Meter Type: LaMote 2020we

SN: 7007-1416

Weather Conditions: 62-92°; sunny

Facility and Unit: Plant Hammond

Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	22250153 11/23	24.51	4490	4435.3	4490.8	+/- 5 %	(Yes) No	
pH (4)			4.00	4.21	3.99	+/- 0.1 SU	(Yes) No	
Mid-Day pH (4) check	–	–	4.00	–	–	+/- 0.1 SU	Yes No	
pH (7)	22108933 11/23	23.80	7.00	7.00	7.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (7) check	–	–	7.00	–	–	+/- 0.1 SU	Yes No	
pH (10)	21320202 12/23	24.24	10.00	9.85	10.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (10) check	–	–	10.00	–	–	+/- 0.1 SU	Yes No	
ORP (mV)	21390144 11/23	22.83	228	231	228.4	+/- 20mV	(Yes) No	
DO (%) (1pt, 100% water saturated air cal)	[redacted]		100	98.60	100.52	+/- 6 % saturation	(Yes) No	
Turbidity 0 NTU			0	-0.02	0.00	+/- 0.5 NTU	(Yes) No	
Turbidity 1 NTU			1.00	0.62	0.75	+/- 0.5 NTU	(Yes) No	
Turbidity 10 NTU			10.00	12.35	9.96	+/- 0.5 NTU	(Yes) No	

Geosyntec consultants

EQUIPMENT CALIBRATION LOG

Field Technician: A. Smart | Date: 6-29-2023 | Time (start): 1140 | Time (finish): 1200

smarTroll SN: 489630 | Turbidity Meter Type: LaMote 2020we | SN: 7009-1416

Weather Conditions: Sunny, 80°F | Facility and Unit: Plant Hammond | Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	24000044 05/2024	30.55	4490	4551.8	4490.0	+/- 5 %	Yes / No	
pH (4)		30.71	4.00	4.04	4.00	+/- 0.1 SU	Yes / No	
Mid-Day pH (4) check			~~4.00~~			+/- 0.1 SU	Yes / No	
pH (7)	22290139 04/2024	29.73	7.00	7.01	7.00	+/- 0.1 SU	Yes / No	
Mid-Day pH (7) check			~~7.00~~			+/- 0.1 SU	Yes / No	
pH (10)	22110130 04/2024	29.43	10.00	10.02	10.00	+/- 0.1 SU	Yes / No	
Mid-Day pH (10) check			~~10.00~~			+/- 0.1 SU	Yes / No	
ORP (mV)	21390144 11/2023	29.13	228	231.5	228.0	+/- 20mV	Yes / No	
DO (%) (1pt, 100% water saturated air cal)			100	105.57	100.0	+/- 6 % saturation	Yes / No	
Turbidity 0 NTU			0	0.31	0	+/- 0.5 NTU	Yes / No	
Turbidity 1 NTU			1.00	0.70	0.80	+/- 0.5 NTU	Yes / No	
Turbidity 10 NTU			10.00	11.08	9.87	+/- 0.5 NTU	Yes / No	

Geosyntec consultants

EQUIPMENT CALIBRATION LOG

Field Technician: Anana Neely

Date: 6/29/23

Time (start): 0735 Time (finish): 0755

smarTroll SN: 883553

Turbidity Meter Type: LaMote 2020we

SN: 7007-1416

Weather Conditions: 65-94° sunny

Facility and Unit: Plant Hammond

Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	22250153 11/23	25.95	4490	4478.9	4494.5	+/- 5 %	(Yes) No	
pH (4)			4.00	4.24	3.99	+/- 0.1 SU	(Yes) No	
Mid-Day pH (4) check	–	–	4.00	–	–	+/- 0.1 SU	Yes No	
pH (7)	2216893 11/23	25.14	7.00	6.91	7.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (7) check	–	–	7.00	–	–	+/- 0.1 SU	Yes No	
pH (10)	21320202 12/23	25.92	10.00	9.86	10.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (10) check	–	–	10.00	–	–	+/- 0.1 SU	Yes No	
ORP (mV)	21390144 11/23	23.50	228	226.2	228.0	+/- 20mV	(Yes) No	
DO (%) (1pt, 100% water saturated air cal)	[redacted]		100	99.65	100.48	+/- 6 % saturation	(Yes) No	
Turbidity 0 NTU			0	0.27	0.00	+/- 0.5 NTU	(Yes) No	
Turbidity 1 NTU			1.00	0.42	0.95	+/- 0.5 NTU	(Yes) No	
Turbidity 10 NTU			10.00	9.82	10.04	+/- 0.5 NTU	(Yes) No	

Geosyntec consultants

EQUIPMENT CALIBRATION LOG

Field Technician: A. Szwast | Date: 6-30-2023 | Time (start): 905 | Time (finish): 920

smarTroll SN: 989630 | Turbidity Meter Type: LaMote 2020we | SN: 7009-1416

Weather Conditions: Sunny, 70°F | Facility and Unit: Plant Hammond | Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	24000044 05/2024	23.92	4490	4493.8	4490.0	+/- 5 %	(Yes) No	
pH (4)		23.81	4.00	4.03	4.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (4) check	—	—	~~4.00~~	—	—	+/- 0.1 SU	Yes No	
pH (7)	22290139 04/2024	24.00	7.00	7.03	7.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (7) check	—	—	~~7.00~~	—	—	+/- 0.1 SU	Yes No	
pH (10)	k2110130 04/2024	24.08	10.00	9.98	10.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (10) check	—	—	~~10.00~~	—	—	+/- 0.1 SU	Yes No	
ORP (mV)	21390144 11/2023	24.08	228	234.5	228.0	+/- 20mV	(Yes) No	
DO (%) (1pt, 100% water saturated air cal)	[redacted]		100	96.19	100.0	+/- 6 % saturation	(Yes) No	
Turbidity 0 NTU			0	0.35	0.05	+/- 0.5 NTU	(Yes) No	
Turbidity 1 NTU			1.00	1.06	—	+/- 0.5 NTU	(Yes) No	
Turbidity 10 NTU			10.00	10.17	9.90	+/- 0.5 NTU	(Yes) No	

Geosyntec consultants

EQUIPMENT CALIBRATION LOG

Field Technician: Mana Neely | Date: 6/30/23 | Time (start): 0735 | Time (finish): 0750

smarTroll SN: 883553 | Turbidity Meter Type: LaMote 2020we | SN: 7007-1416

Weather Conditions: 66-95° | Facility and Unit: Plant Hammond | Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	22250153 11/23	23.79	4490	4458.8	4487.4	+/- 5 %	(Yes) No	
pH (4)			4.00	4.24	3.98	+/- 0.1 SU	(Yes) No	
Mid-Day pH (4) check	–	–	4.00	–	–	+/- 0.1 SU	Yes No	
pH (7)	22168931 11/23	23.12	7.00	6.93	7.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (7) check	–	–	7.00	–	–	+/- 0.1 SU	Yes No	
pH (10)	21320202 12/23	23.72	10.00	9.82	10.01	+/- 0.1 SU	(Yes) No	
Mid-Day pH (10) check	–	–	10.00	–	–	+/- 0.1 SU	Yes No	
ORP (mV)	21390144 11/23	22.3	228	230.3	228	+/- 20mV	(Yes) No	
DO (%) (1pt, 100% water saturated air cal)	[redacted]		100	100.52%	100.61%	+/- 6 % saturation	(Yes) No	
Turbidity 0 NTU			0	0.52	0.00	+/- 0.5 NTU	(Yes) No	
Turbidity 1 NTU			1.00	0.68	0.94	+/- 0.5 NTU	(Yes) No	
Turbidity 10 NTU			10.00	10.23	9.88	+/- 0.5 NTU	(Yes) No	

Geosyntec consultants

EQUIPMENT CALIBRATION LOG

Field Technician: Mana Neely | Date: 7/5/23 | Time (start): 1000 | Time (finish): 1030

smarTroll SN: 883853 | Turbidity Meter Type: LaMote 2020we | SN: 7007-1416

Weather Conditions: 70 - 86°, cloudy/rainy | Facility and Unit: Plant Hammond | Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	22250153 11/23	24.69	4490	4731.8	4413.1	+/- 5 %	(Yes) No	
pH (4)			4.00	4.01	4.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (4) check	–	–	4.00	–	–	+/- 0.1 SU	Yes No	
pH (7)	22160893 11/23	24.96	7.00	7.26	7.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (7) check	–	–	7.00	–	–	+/- 0.1 SU	Yes No	
pH (10)	21320202 12/23	24.80	10.00	9.63	10.01	+/- 0.1 SU	(Yes) No	
Mid-Day pH (10) check	–	–	10.00	–	–	+/- 0.1 SU	Yes No	
ORP (mV)	21390144 11/23	24.90	228	227.5	227.8	+/- 20mV	(Yes) No	
DO (%) (1pt, 100% water saturated air cal)			100	97.89%	100.56%	+/- 6 % saturation	(Yes) No	
Turbidity 0 NTU			0	0.62	0.00	+/- 0.5 NTU	(Yes) No	
Turbidity 1 NTU			1.00	0.79	0.89	+/- 0.5 NTU	(Yes) No	
Turbidity 10 NTU			10.00	10.93	9.98	+/- 0.5 NTU	(Yes) No	

Geosyntec consultants

EQUIPMENT CALIBRATION LOG

Field Technician: Mana Nelly | Date: 7/6/23 | Time (start): 0725 | Time (finish):

smarTroll SN: 883553 | Turbidity Meter Type: LaMote 2020we | SN: 7007-1416

Weather Conditions: 70-91°, sunny | Facility and Unit: Plant Hammond | Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	2225053 11/23	26.21	4490	4310.7	4488.3	+/- 5 %	(Yes) No	
pH (4)			4.00	4.30	3.99	+/- 0.1 SU	(Yes) No	
Mid-Day pH (4) check	–	–	4.00	–	–	+/- 0.1 SU	Yes No	
pH (7)	2216893 11/23	26.14	7.00	7.01	7.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (7) check	–	–	7.00	–	–	+/- 0.1 SU	Yes No	
pH (10)	21320202 12/23	25.95	10.00	9.83	10.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (10) check	–	–	10.00	–	–	+/- 0.1 SU	Yes No	
ORP (mV)	21390144 11/23	25.19	228	223	228	+/- 20mV	(Yes) No	
DO (%) (1pt, 100% water saturated air cal)			100	99.3%		+/- 6 % saturation	Yes No	
Turbidity 0 NTU			0	0.43	0.00	+/- 0.5 NTU	(Yes) No	
Turbidity 1 NTU			1.00	0.77	0.84	+/- 0.5 NTU	(Yes) No	
Turbidity 10 NTU			10.00	11.26	9.84	+/- 0.5 NTU	(Yes) No	

APPENDIX D

Certified Well Survey Data

Well ID	Casing Northing	Casing Easting	Top of Casing Elevation	Nail or Pad Northing	Nail or Pad Easting	Nail or Pad Elevation	Description
INW01	1547921.52	1938350.62	573.90	1547920.66	1938350.81	571.04	NAIL ON PAD
PT-01	1547916.85	1938348.81	574.13	1547916.04	1938348.97	571.14	NAIL ON PAD
PT-02	1547917.68	1938353.52	574.06	1547917.08	1938353.43	571.10	NAIL ON PAD
PT-03	1547910.57	1938352.13	574.09	1547909.42	1938351.78	571.10	NAIL ON PAD
MW-56	1547906.81	1938260.81	573.47	1547907.03	1938261.87	570.60	NAIL ON PAD
MW-57	1547895.53	1938349.49	574.28	1547896.78	1938349.21	571.30	NAIL ON PAD
MW58	1547931.46	1938592.55	575.87	1547932.08	1938592.44	572.96	NAIL ON PAD
MW-59	1547971.14	1938344.65	592.20	1547972.39	1938344.39	589.52	NAIL ON PAD
Benchmark	Northing	Easting	Elevation				
BM-H2	1548149.4490	1938960.2220	590.68				

SURVEY DATA CERTIFICATION FOR SOUTHERN COMPANY TO DETERMINE NORTHING, EASTING, AND VERTICAL ELEVATION OF THE NAIL IN THE CONCRETE PAD & THE PVC WELL CASING. DATE OF FIELD SURVEY & INSPECTION: 07/11/2023. FIELD SURVEY POSITIONAL TOLERANCE=0.5 FEET HORIZONTAL-NAD'83, 0.01 VERTICAL-NAVD '88. EQUIPMENT USED FOR HORIZONTAL LOCATION: TRIMBLE R12 RTK GPS & TRIMBLE S5 ROBOTIC TOTAL STATION. THE VERTICAL LOCATION OF EACH SURVEYED POINT WAS ESTABLISHED BASED UPON LEVEL RUNS WITH A DIGITAL LEVEL LOOP FROM VERTICAL CONTROL ESTABLISHED BY ON-SITE BENCHMARK BM-H2 SET BY GEL SOLUTIONS USING A TRIMBLE DINI LEVEL



7/17/2023



COA - LS003119
Exp. 12/31/2023

Well ID	Casing Northing	Casing Easting	Top of Casing	Nail or Pad Northing	Nail or Pad Easting	Nail or Pad Elevation	Description
INW02	1548915.001	1937643.885	580.56	1548914.667	1937643.335	580.78	NAIL ON PAD
PT-04	1548918.264	1937641.905	580.26	1548917.858	1937641.396	580.495	NAIL ON PAD
PT-05	1548913.064	1937638.478	580.54	1548912.735	1937637.953	580.826	NAIL ON PAD
PT-06	1548916.945	1937634.248	580.36	1548916.496	1937633.777	580.681	NAIL ON PAD
MW-55	1548823.4	1937575.715	582.49	1548822.243	1937575.258	582.783	NAIL ON PAD
Benchmark	Northing	Easting	Elevation				
BM-H2	1548149.4490	1938960.2220	590.68				

SURVEY DATA CERTIFICATION FOR SOUTHERN COMPANY TO DETERMINE NORTHING, EASTING, AND VERTICAL ELEVATION OF THE NAIL IN THE CONCRETE PAD & THE PVC WELL CASING. DATE OF FIELD SURVEY & INSPECTION: 08/29/2023. FIELD SURVEY POSITIONAL TOLERANCE=0.5 FEET HORIZONTAL-NAD'83, 0.01 VERTICAL-NAVD '88. EQUIPMENT USED FOR HORIZONTAL LOCATION: TRIMBLE R12 RTK GPS & TRIMBLE S5 ROBOTIC TOTAL STATION. THE VERTICAL LOCATION OF EACH SURVEYED POINT WAS ESTABLISHED BASED UPON LEVEL RUNS WITH A DIGITAL LEVEL LOOP FROM VERTICAL CONTROL ESTABLISHED BY ON-SITE BENCHMARK BM-H2 SET BY GEL SOLUTIONS USING A TRIMBLE DINI LEVEL



8/30/2023



COA - LS003119
Exp. 12/31/2023

APPENDIX B

Baseline Analytical Laboratory Results and Field Sampling Forms

Laboratory Analytical Reports

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

August 10, 2023

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Hammond AP-2
Pace Project No.: 92677696

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory between July 17, 2023 and July 19, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

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

A revised report is being submitted on 8/10/23 to revise the sample ID for 92677696-010. It was entered incorrectly at log in.

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

Sincerely,

Angela M. Baioni

Angela Baioni for
Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Kip Gray, Geosyntec
Christine Hug, Geosyntec Consultants, Inc.
Whitney Law, Geosyntec Consultants
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Hammond AP-2
Pace Project No.: 92677696

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315
Georgia DW Inorganics Certification #: 812
North Carolina Certification #: 381
South Carolina Certification #: 98011001
Virginia Certification #: 460204

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Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Hammond AP-2
Pace Project No.: 92677696

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92677696001	**HAM-HGWC-18**	Water	07/14/23 09:57	07/17/23 12:30
92677696002	**HAM-PT-06**	Water	07/14/23 11:05	07/17/23 12:30
92677696003	**HAM-PT-05**	Water	07/14/23 13:00	07/17/23 12:30
92677696004	**HAM-PT-04**	Water	07/14/23 14:03	07/17/23 12:30
92677696005	**HAM-INW-02**	Water	07/14/23 14:57	07/17/23 12:30
92677696006	**HAM-AP2-FD-01**	Water	07/14/23 00:00	07/17/23 12:30
92677696007	**HAM-AP2-FB-01**	Water	07/17/23 08:45	07/17/23 12:30
92677696008	**HAM-MW-59**	Water	07/17/23 16:24	07/19/23 13:53
92677696009	**HAM-MW-33**	Water	07/18/23 09:47	07/19/23 13:53
92677696010	**HAM-MW-35**	Water	07/18/23 11:29	07/19/23 13:53
92677696011	**HAM-PT-03**	Water	07/18/23 12:33	07/19/23 13:53
92677696012	**HAM-PT-01**	Water	07/18/23 13:24	07/19/23 13:53
92677696013	**HAM-PT-02**	Water	07/18/23 16:20	07/19/23 13:53
92677696014	**HAM-INW-01**	Water	07/19/23 09:31	07/19/23 13:53
92677696015	**HAM-MW-57**	Water	07/19/23 10:40	07/19/23 13:53

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SAMPLE ANALYTE COUNT

Project: Hammond AP-2
Pace Project No.: 92677696

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92677696001	**HAM-HGWC-18**	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92677696002	**HAM-PT-06**	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92677696003	**HAM-PT-05**	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92677696004	**HAM-PT-04**	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92677696005	**HAM-INW-02**	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92677696006	**HAM-AP2-FD-01**	EPA 6010D	MS	6
		EPA 6020B	CW1	13

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Hammond AP-2
Pace Project No.: 92677696

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92677696007	**HAM-AP2-FB-01**	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92677696008	**HAM-MW-59**	EPA 6010D	DRB	1
		EPA 6020B	CW1	1
92677696009	**HAM-MW-33**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92677696010	**HAM-MW-35**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92677696011	**HAM-PT-03**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92677696012	**HAM-PT-01**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13

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SAMPLE ANALYTE COUNT

Project: Hammond AP-2
Pace Project No.: 92677696

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92677696013	**HAM-PT-02**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92677696014	**HAM-INW-01**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92677696015	**HAM-MW-57**	EPA 6010D	MS	1
		EPA 6020B	CW1	1

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

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Hammond AP-2
Pace Project No.: 92677696

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92677696001	**HAM-HGWC-18**					
	Performed by	CUSTOMER			07/17/23 17:10	
	pH	4.59	Std. Units		07/17/23 17:10	
EPA 6010D	Manganese	3.6	mg/L	0.040	07/20/23 16:44	
EPA 6010D	Potassium	10.7	mg/L	0.50	07/20/23 16:44	
EPA 6010D	Sodium	11.9	mg/L	1.0	07/20/23 16:44	
EPA 6010D	Magnesium	39.1	mg/L	0.050	07/20/23 16:44	
EPA 6010D	Iron	0.34	mg/L	0.040	07/25/23 16:58	
EPA 6010D	Calcium	394	mg/L	5.0	07/25/23 17:03	
EPA 6020B	Barium	0.023	mg/L	0.0050	07/19/23 19:12	
EPA 6020B	Beryllium	0.0027	mg/L	0.00050	07/19/23 19:12	
EPA 6020B	Boron	7.7	mg/L	0.20	07/21/23 17:49	
EPA 6020B	Cadmium	0.0014	mg/L	0.00050	07/19/23 19:12	
EPA 6020B	Cobalt	0.13	mg/L	0.0050	07/19/23 19:12	
EPA 6020B	Lead	0.0015	mg/L	0.0010	07/19/23 19:12	
EPA 6020B	Lithium	0.010J	mg/L	0.030	07/19/23 19:12	
EPA 6020B	Selenium	0.0063	mg/L	0.0050	07/19/23 19:12	
EPA 7470A	Mercury	0.00020J	mg/L	0.00020	08/01/23 11:29	
SM 2540C-2015	Total Dissolved Solids	1760	mg/L	25.0	07/18/23 15:26	
EPA 300.0 Rev 2.1 1993	Chloride	104	mg/L	12.0	07/19/23 13:52	
EPA 300.0 Rev 2.1 1993	Fluoride	0.28	mg/L	0.10	07/19/23 07:01	
EPA 300.0 Rev 2.1 1993	Sulfate	927	mg/L	12.0	07/19/23 13:52	
92677696002	**HAM-PT-06**					
	Performed by	CUSTOMER			07/17/23 17:10	
	pH	6.09	Std. Units		07/17/23 17:10	
EPA 6010D	Calcium	319	mg/L	5.0	07/25/23 17:13	
EPA 6010D	Manganese	18.0	mg/L	0.040	07/20/23 16:49	
EPA 6010D	Potassium	6.6	mg/L	0.50	07/20/23 16:49	
EPA 6010D	Sodium	13.6	mg/L	1.0	07/20/23 16:49	
EPA 6010D	Magnesium	25.6	mg/L	0.050	07/20/23 16:49	
EPA 6010D	Iron	6.6	mg/L	0.040	07/25/23 17:08	
EPA 6020B	Barium	0.037	mg/L	0.0050	07/19/23 19:18	
EPA 6020B	Boron	7.8	mg/L	0.20	07/21/23 17:55	
EPA 6020B	Cobalt	0.063	mg/L	0.0050	07/19/23 19:18	
EPA 6020B	Lithium	0.0057J	mg/L	0.030	07/19/23 19:18	
EPA 6020B	Thallium	0.00049J	mg/L	0.0010	07/19/23 19:18	
SM 2540C-2015	Total Dissolved Solids	1330	mg/L	25.0	07/18/23 15:26	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	140	mg/L	5.0	07/20/23 17:51	
SM 2320B-2011	Alkalinity, Total as CaCO3	140	mg/L	5.0	07/20/23 17:51	
EPA 300.0 Rev 2.1 1993	Chloride	156	mg/L	10.0	07/19/23 14:07	
EPA 300.0 Rev 2.1 1993	Sulfate	542	mg/L	10.0	07/19/23 14:07	
92677696003	**HAM-PT-05**					
	Performed by	CUSTOMER			07/17/23 17:11	
	pH	6.13	Std. Units		07/17/23 17:11	
EPA 6010D	Manganese	11.4	mg/L	0.040	07/20/23 16:54	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Hammond AP-2
Pace Project No.: 92677696

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92677696003	**HAM-PT-05**					
EPA 6010D	Potassium	4.5	mg/L	0.50	07/20/23 16:54	
EPA 6010D	Sodium	10.6	mg/L	1.0	07/20/23 16:54	
EPA 6010D	Magnesium	26.7	mg/L	0.050	07/20/23 16:54	
EPA 6010D	Iron	1.2	mg/L	0.040	07/25/23 17:18	
EPA 6010D	Calcium	287	mg/L	1.0	07/25/23 17:18	
EPA 6020B	Barium	0.045	mg/L	0.0050	07/19/23 19:24	
EPA 6020B	Boron	7.5	mg/L	0.20	07/21/23 18:00	
EPA 6020B	Cobalt	0.042	mg/L	0.0050	07/19/23 19:24	
EPA 6020B	Lithium	0.0050J	mg/L	0.030	07/19/23 19:24	
SM 2540C-2015	Total Dissolved Solids	1520	mg/L	25.0	07/18/23 15:26	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	148	mg/L	5.0	07/20/23 18:03	
SM 2320B-2011	Alkalinity, Total as CaCO3	148	mg/L	5.0	07/20/23 18:03	
EPA 300.0 Rev 2.1 1993	Chloride	166	mg/L	10.0	07/19/23 14:21	
EPA 300.0 Rev 2.1 1993	Sulfate	564	mg/L	10.0	07/19/23 14:21	
92677696004	**HAM-PT-04**					
	Performed by	CUSTOMER			07/17/23 17:11	
	pH	6.30	Std. Units		07/17/23 17:11	
EPA 6010D	Iron	16.0	mg/L	0.040	07/25/23 17:38	
EPA 6010D	Calcium	297	mg/L	1.0	07/25/23 17:38	
EPA 6010D	Manganese	17.8	mg/L	0.040	07/20/23 16:59	
EPA 6010D	Potassium	7.2	mg/L	0.50	07/20/23 16:59	
EPA 6010D	Sodium	12.2	mg/L	1.0	07/20/23 16:59	
EPA 6010D	Magnesium	24.1	mg/L	0.050	07/20/23 16:59	
EPA 6020B	Arsenic	0.0077J	mg/L	0.010	07/19/23 19:30	
EPA 6020B	Barium	0.048	mg/L	0.0050	07/19/23 19:30	
EPA 6020B	Boron	7.8	mg/L	0.20	07/21/23 18:06	
EPA 6020B	Cobalt	0.058	mg/L	0.0050	07/19/23 19:30	
EPA 6020B	Lithium	0.0050J	mg/L	0.030	07/19/23 19:30	
SM 2540C-2015	Total Dissolved Solids	1310	mg/L	25.0	07/18/23 15:26	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	155	mg/L	5.0	07/20/23 18:14	
SM 2320B-2011	Alkalinity, Total as CaCO3	155	mg/L	5.0	07/20/23 18:14	
EPA 300.0 Rev 2.1 1993	Chloride	153	mg/L	10.0	07/19/23 14:35	
EPA 300.0 Rev 2.1 1993	Sulfate	535	mg/L	10.0	07/19/23 14:35	
92677696005	**HAM-INW-02**					
	Performed by	CUSTOMER			07/17/23 17:11	
	pH	6.27	Std. Units		07/17/23 17:11	
EPA 6010D	Calcium	306	mg/L	5.0	07/25/23 17:53	
EPA 6010D	Iron	10.7	mg/L	0.040	07/25/23 17:48	
EPA 6010D	Manganese	16.0	mg/L	0.040	07/20/23 17:14	
EPA 6010D	Potassium	6.0	mg/L	0.50	07/20/23 17:14	
EPA 6010D	Sodium	11.1	mg/L	1.0	07/20/23 17:14	
EPA 6010D	Magnesium	25.8	mg/L	0.050	07/20/23 17:14	
EPA 6020B	Arsenic	0.0057J	mg/L	0.010	07/19/23 19:36	
EPA 6020B	Barium	0.070	mg/L	0.0050	07/19/23 19:36	
EPA 6020B	Boron	7.1	mg/L	0.20	07/21/23 18:12	

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SUMMARY OF DETECTION

Project: Hammond AP-2
Pace Project No.: 92677696

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92677696005	**HAM-INW-02**					
EPA 6020B	Cobalt	0.060	mg/L	0.0050	07/19/23 19:36	
EPA 6020B	Lithium	0.0057J	mg/L	0.030	07/19/23 19:36	
EPA 6020B	Thallium	0.00037J	mg/L	0.0010	07/19/23 19:36	
SM 2540C-2015	Total Dissolved Solids	1460	mg/L	25.0	07/18/23 15:29	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	159	mg/L	5.0	07/20/23 18:27	
SM 2320B-2011	Alkalinity, Total as CaCO3	159	mg/L	5.0	07/20/23 18:27	
EPA 300.0 Rev 2.1 1993	Chloride	153	mg/L	10.0	07/19/23 14:49	
EPA 300.0 Rev 2.1 1993	Sulfate	532	mg/L	10.0	07/19/23 14:49	
92677696006	**HAM-AP2-FD-01**					
EPA 6010D	Iron	10.1	mg/L	0.040	07/25/23 17:58	
EPA 6010D	Manganese	15.5	mg/L	0.040	07/20/23 17:19	
EPA 6010D	Potassium	5.8	mg/L	0.50	07/20/23 17:19	
EPA 6010D	Sodium	10.8	mg/L	1.0	07/20/23 17:19	
EPA 6010D	Calcium	299	mg/L	1.0	07/20/23 17:19	
EPA 6010D	Magnesium	25.0	mg/L	0.050	07/20/23 17:19	
EPA 6020B	Arsenic	0.0054J	mg/L	0.010	07/19/23 19:48	
EPA 6020B	Barium	0.069	mg/L	0.0050	07/19/23 19:48	
EPA 6020B	Boron	7.1	mg/L	0.20	07/21/23 18:18	
EPA 6020B	Cobalt	0.059	mg/L	0.0050	07/19/23 19:48	
EPA 6020B	Lithium	0.0056J	mg/L	0.030	07/19/23 19:48	
EPA 6020B	Thallium	0.00037J	mg/L	0.0010	07/19/23 19:48	
SM 2540C-2015	Total Dissolved Solids	1520	mg/L	25.0	07/18/23 15:29	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	159	mg/L	5.0	07/20/23 18:38	
SM 2320B-2011	Alkalinity, Total as CaCO3	159	mg/L	5.0	07/20/23 18:38	
EPA 300.0 Rev 2.1 1993	Chloride	152	mg/L	10.0	07/19/23 15:03	
EPA 300.0 Rev 2.1 1993	Sulfate	531	mg/L	10.0	07/19/23 15:03	
92677696008	**HAM-MW-59**					
	Performed by	CUSTOMER			07/19/23 15:54	
	pH	4.59	Std. Units		07/19/23 15:54	
EPA 6010D	Boron	9.7	mg/L	0.040	08/01/23 14:52	M1
EPA 6020B	Cobalt	0.16	mg/L	0.0050	07/27/23 15:24	
92677696009	**HAM-MW-33**					
	Performed by	CUSTOMER			07/19/23 15:54	
	pH	4.48	Std. Units		07/19/23 15:54	
EPA 6010D	Iron	0.22	mg/L	0.040	08/01/23 15:12	
EPA 6010D	Manganese	4.1	mg/L	0.040	08/01/23 15:12	
EPA 6010D	Potassium	9.6	mg/L	0.50	08/01/23 15:12	
EPA 6010D	Sodium	9.3	mg/L	1.0	08/01/23 15:12	
EPA 6010D	Magnesium	38.9	mg/L	0.050	08/01/23 15:12	
EPA 6010D	Calcium	397	mg/L	5.0	08/02/23 12:39	
EPA 6020B	Arsenic	0.0050J	mg/L	0.010	07/27/23 15:30	
EPA 6020B	Barium	0.022	mg/L	0.0050	07/27/23 15:30	
EPA 6020B	Beryllium	0.00096	mg/L	0.00050	07/27/23 15:30	
EPA 6020B	Boron	6.9	mg/L	0.040	07/27/23 15:30	

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SUMMARY OF DETECTION

Project: Hammond AP-2
Pace Project No.: 92677696

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92677696009	**HAM-MW-33**					
EPA 6020B	Cadmium	0.00017J	mg/L	0.00050	07/27/23 15:30	
EPA 6020B	Cobalt	0.060	mg/L	0.0050	07/27/23 15:30	
EPA 6020B	Lead	0.0012	mg/L	0.0010	07/27/23 15:30	
EPA 6020B	Selenium	0.0051	mg/L	0.0050	07/27/23 15:30	
EPA 6020B	Thallium	0.00022J	mg/L	0.0010	07/27/23 15:30	
SM 2540C-2015	Total Dissolved Solids	1850	mg/L	25.0	07/21/23 12:01	
EPA 300.0 Rev 2.1 1993	Chloride	102	mg/L	21.0	07/21/23 13:39	
EPA 300.0 Rev 2.1 1993	Fluoride	0.22	mg/L	0.10	07/20/23 18:59	
EPA 300.0 Rev 2.1 1993	Sulfate	1090	mg/L	21.0	07/21/23 13:39	
92677696010	**HAM-MW-35**					
	Performed by	CUSTOMER			07/19/23 15:55	
	pH	4.93	Std. Units		07/19/23 15:55	
EPA 6010D	Iron	0.76	mg/L	0.040	08/01/23 15:17	
EPA 6010D	Manganese	9.7	mg/L	0.040	08/01/23 15:17	
EPA 6010D	Potassium	7.1	mg/L	0.50	08/01/23 15:17	
EPA 6010D	Sodium	12.1	mg/L	1.0	08/01/23 15:17	
EPA 6010D	Magnesium	74.1	mg/L	0.050	08/01/23 15:17	
EPA 6010D	Calcium	492	mg/L	5.0	08/02/23 12:44	
EPA 6020B	Arsenic	0.0056J	mg/L	0.010	07/27/23 15:36	
EPA 6020B	Barium	0.022	mg/L	0.0050	07/27/23 15:36	
EPA 6020B	Beryllium	0.00053	mg/L	0.00050	07/27/23 15:36	
EPA 6020B	Boron	9.5	mg/L	0.040	07/27/23 15:36	
EPA 6020B	Cadmium	0.0012	mg/L	0.00050	07/27/23 15:36	
EPA 6020B	Chromium	0.0014J	mg/L	0.0050	07/27/23 15:36	
EPA 6020B	Cobalt	0.087	mg/L	0.0050	07/27/23 15:36	
EPA 6020B	Lead	0.00090J	mg/L	0.0010	07/27/23 15:36	
EPA 6020B	Lithium	0.0035J	mg/L	0.030	07/27/23 15:36	
EPA 6020B	Selenium	0.0052	mg/L	0.0050	07/27/23 15:36	
SM 2540C-2015	Total Dissolved Solids	2340	mg/L	25.0	07/21/23 12:02	1g
EPA 300.0 Rev 2.1 1993	Chloride	191	mg/L	24.0	07/21/23 07:01	
EPA 300.0 Rev 2.1 1993	Fluoride	0.077J	mg/L	0.10	07/20/23 19:15	
EPA 300.0 Rev 2.1 1993	Sulfate	1200	mg/L	24.0	07/21/23 07:01	
92677696011	**HAM-PT-03**					
	Performed by	CUSTOMER			07/19/23 15:55	
	pH	4.64	Std. Units		07/19/23 15:55	
EPA 6010D	Iron	0.26	mg/L	0.040	08/01/23 15:22	
EPA 6010D	Manganese	8.2	mg/L	0.040	08/01/23 15:22	
EPA 6010D	Potassium	5.4	mg/L	0.50	08/01/23 15:22	
EPA 6010D	Sodium	11.7	mg/L	1.0	08/01/23 15:22	
EPA 6010D	Magnesium	36.9	mg/L	0.050	08/01/23 15:22	
EPA 6010D	Calcium	382	mg/L	5.0	08/03/23 17:02	
EPA 6020B	Antimony	0.0029J	mg/L	0.0030	07/27/23 16:00	
EPA 6020B	Arsenic	0.0076J	mg/L	0.010	07/27/23 16:00	
EPA 6020B	Barium	0.025	mg/L	0.0050	07/27/23 16:00	
EPA 6020B	Beryllium	0.0026	mg/L	0.00050	07/27/23 16:00	

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SUMMARY OF DETECTION

Project: Hammond AP-2
Pace Project No.: 92677696

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92677696011	**HAM-PT-03**					
EPA 6020B	Boron	8.2	mg/L	0.040	07/27/23 16:00	
EPA 6020B	Cadmium	0.00062	mg/L	0.00050	07/27/23 16:00	
EPA 6020B	Chromium	0.0011J	mg/L	0.0050	07/27/23 16:00	
EPA 6020B	Cobalt	0.12	mg/L	0.0050	07/27/23 16:00	
EPA 6020B	Lead	0.0014	mg/L	0.0010	07/27/23 16:00	
EPA 6020B	Lithium	0.0031J	mg/L	0.030	07/27/23 16:00	
EPA 6020B	Selenium	0.011	mg/L	0.0050	07/27/23 16:00	
EPA 6020B	Thallium	0.00021J	mg/L	0.0010	07/27/23 16:00	
SM 2540C-2015	Total Dissolved Solids	2690	mg/L	25.0	07/21/23 12:02	1g
EPA 300.0 Rev 2.1 1993	Chloride	138	mg/L	19.0	07/21/23 07:47	
EPA 300.0 Rev 2.1 1993	Fluoride	0.84	mg/L	0.10	07/21/23 01:51	
EPA 300.0 Rev 2.1 1993	Sulfate	948	mg/L	19.0	07/21/23 07:47	M1
92677696012	**HAM-PT-01**					
	Performed by	CUSTOMER			07/19/23 15:56	
	pH	4.63	Std. Units		07/19/23 15:56	
EPA 6010D	Iron	0.078	mg/L	0.040	08/01/23 15:27	
EPA 6010D	Manganese	9.6	mg/L	0.040	08/01/23 15:27	
EPA 6010D	Potassium	5.2	mg/L	0.50	08/01/23 15:27	
EPA 6010D	Sodium	8.8	mg/L	1.0	08/01/23 15:27	
EPA 6010D	Magnesium	38.2	mg/L	0.050	08/01/23 15:27	
EPA 6010D	Calcium	370	mg/L	5.0	08/02/23 12:54	
EPA 6020B	Arsenic	0.0075J	mg/L	0.010	07/27/23 16:06	
EPA 6020B	Barium	0.046	mg/L	0.0050	07/27/23 16:06	
EPA 6020B	Beryllium	0.0024	mg/L	0.00050	07/27/23 16:06	
EPA 6020B	Boron	8.1	mg/L	0.040	07/27/23 16:06	
EPA 6020B	Cadmium	0.00099	mg/L	0.00050	07/27/23 16:06	
EPA 6020B	Cobalt	0.11	mg/L	0.0050	07/27/23 16:06	
EPA 6020B	Lead	0.00072J	mg/L	0.0010	07/27/23 16:06	
EPA 6020B	Lithium	0.0052J	mg/L	0.030	07/27/23 16:06	
EPA 6020B	Selenium	0.011	mg/L	0.0050	07/27/23 16:06	
EPA 7470A	Mercury	0.00023	mg/L	0.00020	08/01/23 12:09	
SM 2540C-2015	Total Dissolved Solids	1700	mg/L	25.0	07/21/23 12:02	
EPA 300.0 Rev 2.1 1993	Chloride	147	mg/L	11.0	07/21/23 08:32	
EPA 300.0 Rev 2.1 1993	Fluoride	0.70	mg/L	0.10	07/21/23 02:38	
EPA 300.0 Rev 2.1 1993	Sulfate	892	mg/L	11.0	07/21/23 08:32	
92677696013	**HAM-PT-02**					
	Performed by	CUSTOMER			07/19/23 15:56	
	pH	4.97	Std. Units		07/19/23 15:56	
EPA 6010D	Iron	0.44	mg/L	0.040	08/01/23 15:47	
EPA 6010D	Manganese	12.6	mg/L	0.040	08/01/23 15:47	
EPA 6010D	Potassium	5.2	mg/L	0.50	08/01/23 15:47	
EPA 6010D	Sodium	9.3	mg/L	1.0	08/01/23 15:47	
EPA 6010D	Magnesium	44.0	mg/L	0.050	08/01/23 15:47	
EPA 6010D	Calcium	379	mg/L	5.0	08/02/23 12:59	
EPA 6020B	Antimony	0.0013J	mg/L	0.0030	07/27/23 16:58	

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SUMMARY OF DETECTION

Project: Hammond AP-2
Pace Project No.: 92677696

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92677696013	**HAM-PT-02**					
EPA 6020B	Arsenic	0.0063J	mg/L	0.010	07/27/23 16:58	
EPA 6020B	Barium	0.054	mg/L	0.0050	07/27/23 16:58	
EPA 6020B	Beryllium	0.0016	mg/L	0.00050	07/27/23 16:58	
EPA 6020B	Boron	8.3	mg/L	0.040	07/27/23 16:58	
EPA 6020B	Cadmium	0.00091	mg/L	0.00050	07/27/23 16:58	
EPA 6020B	Cobalt	0.13	mg/L	0.0050	07/27/23 16:58	
EPA 6020B	Lead	0.00043J	mg/L	0.0010	07/27/23 16:58	
EPA 6020B	Lithium	0.0069J	mg/L	0.030	07/27/23 16:58	
EPA 6020B	Selenium	0.0075	mg/L	0.0050	07/27/23 16:58	
SM 2540C-2015	Total Dissolved Solids	1830	mg/L	25.0	07/21/23 12:03	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	5.5	mg/L	5.0	07/24/23 13:11	
SM 2320B-2011	Alkalinity, Total as CaCO3	5.5	mg/L	5.0	07/24/23 13:11	
EPA 300.0 Rev 2.1 1993	Chloride	174	mg/L	11.0	07/21/23 08:47	
EPA 300.0 Rev 2.1 1993	Fluoride	0.47	mg/L	0.10	07/21/23 02:54	
EPA 300.0 Rev 2.1 1993	Sulfate	938	mg/L	11.0	07/21/23 08:47	
92677696014	**HAM-INW-01**					
	Performed by	CUSTOMER			07/19/23 15:56	
	pH	5.18	Std. Units		07/19/23 15:56	
EPA 6010D	Iron	2.9	mg/L	0.040	08/01/23 15:53	
EPA 6010D	Manganese	14.4	mg/L	0.040	08/01/23 15:53	
EPA 6010D	Potassium	5.4	mg/L	0.50	08/01/23 15:53	
EPA 6010D	Sodium	10	mg/L	1.0	08/01/23 15:53	
EPA 6010D	Magnesium	52.3	mg/L	0.050	08/01/23 15:53	
EPA 6010D	Calcium	397	mg/L	5.0	08/02/23 13:04	
EPA 6020B	Arsenic	0.0061J	mg/L	0.010	07/27/23 17:04	
EPA 6020B	Barium	0.069	mg/L	0.0050	07/27/23 17:04	
EPA 6020B	Beryllium	0.0010	mg/L	0.00050	07/27/23 17:04	
EPA 6020B	Boron	8.7	mg/L	0.040	07/27/23 17:04	
EPA 6020B	Cadmium	0.00059	mg/L	0.00050	07/27/23 17:04	
EPA 6020B	Cobalt	0.13	mg/L	0.0050	07/27/23 17:04	
EPA 6020B	Lead	0.00037J	mg/L	0.0010	07/27/23 17:04	
EPA 6020B	Lithium	0.0064J	mg/L	0.030	07/27/23 17:04	
EPA 6020B	Selenium	0.0075	mg/L	0.0050	07/27/23 17:04	
SM 2540C-2015	Total Dissolved Solids	2000	mg/L	25.0	07/21/23 12:03	1g
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	14.9	mg/L	5.0	07/24/23 13:16	
SM 2320B-2011	Alkalinity, Total as CaCO3	14.9	mg/L	5.0	07/24/23 13:16	
EPA 300.0 Rev 2.1 1993	Chloride	210	mg/L	19.0	07/21/23 09:18	
EPA 300.0 Rev 2.1 1993	Fluoride	0.34	mg/L	0.10	07/21/23 03:56	
EPA 300.0 Rev 2.1 1993	Sulfate	975	mg/L	19.0	07/21/23 09:18	
92677696015	**HAM-MW-57**					
	Performed by	CUSTOMER			07/19/23 15:57	
	pH	6.45	Std. Units		07/19/23 15:57	
EPA 6010D	Boron	8.5	mg/L	0.040	08/01/23 15:58	
EPA 6020B	Cobalt	0.049	mg/L	0.0050	07/27/23 17:10	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-HGWC-18 **Lab ID: 92677696001** Collected: 07/14/23 09:57 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	**CUSTOMER**				1		07/17/23 17:10		
pH	**4.59**	Std. Units			1		07/17/23 17:10		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Manganese	**3.6**	mg/L	0.040	0.011	1	07/20/23 09:50	07/20/23 16:44	7439-96-5	
Potassium	**10.7**	mg/L	0.50	0.15	1	07/20/23 09:50	07/20/23 16:44	7440-09-7	
Sodium	**11.9**	mg/L	1.0	0.58	1	07/20/23 09:50	07/20/23 16:44	7440-23-5	
Magnesium	**39.1**	mg/L	0.050	0.012	1	07/20/23 09:50	07/20/23 16:44	7439-95-4	
Iron	**0.34**	mg/L	0.040	0.025	1	07/20/23 09:50	07/25/23 16:58	7439-89-6	
Calcium	**394**	mg/L	5.0	0.61	5	07/20/23 09:50	07/25/23 17:03	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	07/18/23 13:46	07/19/23 19:12	7440-36-0	
Arsenic	ND	mg/L	0.010	0.0037	1	07/18/23 13:46	07/19/23 19:12	7440-38-2	
Barium	**0.023**	mg/L	0.0050	0.00067	1	07/18/23 13:46	07/19/23 19:12	7440-39-3	
Beryllium	**0.0027**	mg/L	0.00050	0.000054	1	07/18/23 13:46	07/19/23 19:12	7440-41-7	
Boron	**7.7**	mg/L	0.20	0.043	5	07/18/23 13:46	07/21/23 17:49	7440-42-8	
Cadmium	**0.0014**	mg/L	0.00050	0.00011	1	07/18/23 13:46	07/19/23 19:12	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/18/23 13:46	07/19/23 19:12	7440-47-3	
Cobalt	**0.13**	mg/L	0.0050	0.00039	1	07/18/23 13:46	07/19/23 19:12	7440-48-4	
Lead	**0.0015**	mg/L	0.0010	0.00012	1	07/18/23 13:46	07/19/23 19:12	7439-92-1	
Lithium	**0.010J**	mg/L	0.030	0.00073	1	07/18/23 13:46	07/19/23 19:12	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/18/23 13:46	07/19/23 19:12	7439-98-7	
Selenium	**0.0063**	mg/L	0.0050	0.0014	1	07/18/23 13:46	07/19/23 19:12	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	07/18/23 13:46	07/19/23 19:12	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	**0.00020J**	mg/L	0.00020	0.00013	1	08/01/23 07:00	08/01/23 11:29	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1760**	mg/L	25.0	25.0	1		07/18/23 15:26		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/20/23 17:47		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/20/23 17:47		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		07/20/23 17:47		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-HGWC-18 **Lab ID: 92677696001** Collected: 07/14/23 09:57 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/20/23 03:43	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**104**	mg/L	12.0	7.2	12		07/19/23 13:52	16887-00-6	
Fluoride	**0.28**	mg/L	0.10	0.050	1		07/19/23 07:01	16984-48-8	
Sulfate	**927**	mg/L	12.0	6.0	12		07/19/23 13:52	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-PT-06 **Lab ID: 92677696002** Collected: 07/14/23 11:05 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	**CUSTOMER**				1		07/17/23 17:10		
pH	**6.09**	Std. Units			1		07/17/23 17:10		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**319**	mg/L	5.0	0.61	5	07/20/23 09:50	07/25/23 17:13	7440-70-2	
Manganese	**18.0**	mg/L	0.040	0.011	1	07/20/23 09:50	07/20/23 16:49	7439-96-5	
Potassium	**6.6**	mg/L	0.50	0.15	1	07/20/23 09:50	07/20/23 16:49	7440-09-7	
Sodium	**13.6**	mg/L	1.0	0.58	1	07/20/23 09:50	07/20/23 16:49	7440-23-5	
Magnesium	**25.6**	mg/L	0.050	0.012	1	07/20/23 09:50	07/20/23 16:49	7439-95-4	
Iron	**6.6**	mg/L	0.040	0.025	1	07/20/23 09:50	07/25/23 17:08	7439-89-6	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	07/18/23 13:46	07/19/23 19:18	7440-36-0	
Arsenic	ND	mg/L	0.010	0.0037	1	07/18/23 13:46	07/19/23 19:18	7440-38-2	
Barium	**0.037**	mg/L	0.0050	0.00067	1	07/18/23 13:46	07/19/23 19:18	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/18/23 13:46	07/19/23 19:18	7440-41-7	
Boron	**7.8**	mg/L	0.20	0.043	5	07/18/23 13:46	07/21/23 17:55	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/18/23 13:46	07/19/23 19:18	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/18/23 13:46	07/19/23 19:18	7440-47-3	
Cobalt	**0.063**	mg/L	0.0050	0.00039	1	07/18/23 13:46	07/19/23 19:18	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	07/18/23 13:46	07/19/23 19:18	7439-92-1	
Lithium	**0.0057J**	mg/L	0.030	0.00073	1	07/18/23 13:46	07/19/23 19:18	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/18/23 13:46	07/19/23 19:18	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	07/18/23 13:46	07/19/23 19:18	7782-49-2	
Thallium	**0.00049J**	mg/L	0.0010	0.00018	1	07/18/23 13:46	07/19/23 19:18	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/01/23 07:00	08/01/23 11:40	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1330**	mg/L	25.0	25.0	1		07/18/23 15:26		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**140**	mg/L	5.0	5.0	1		07/20/23 17:51		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/20/23 17:51		
Alkalinity, Total as CaCO3	**140**	mg/L	5.0	5.0	1		07/20/23 17:51		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-PT-06 **Lab ID: 92677696002** Collected: 07/14/23 11:05 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/20/23 03:44	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**156**	mg/L	10.0	6.0	10		07/19/23 14:07	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		07/19/23 07:16	16984-48-8	
Sulfate	**542**	mg/L	10.0	5.0	10		07/19/23 14:07	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-PT-05 **Lab ID: 92677696003** Collected: 07/14/23 13:00 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	**CUSTOMER**				1		07/17/23 17:11		
pH	**6.13**	Std. Units			1		07/17/23 17:11		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Manganese	**11.4**	mg/L	0.040	0.011	1	07/20/23 09:50	07/20/23 16:54	7439-96-5	
Potassium	**4.5**	mg/L	0.50	0.15	1	07/20/23 09:50	07/20/23 16:54	7440-09-7	
Sodium	**10.6**	mg/L	1.0	0.58	1	07/20/23 09:50	07/20/23 16:54	7440-23-5	
Magnesium	**26.7**	mg/L	0.050	0.012	1	07/20/23 09:50	07/20/23 16:54	7439-95-4	
Iron	**1.2**	mg/L	0.040	0.025	1	07/20/23 09:50	07/25/23 17:18	7439-89-6	
Calcium	**287**	mg/L	1.0	0.12	1	07/20/23 09:50	07/25/23 17:18	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	07/18/23 13:46	07/19/23 19:24	7440-36-0	
Arsenic	ND	mg/L	0.010	0.0037	1	07/18/23 13:46	07/19/23 19:24	7440-38-2	
Barium	**0.045**	mg/L	0.0050	0.00067	1	07/18/23 13:46	07/19/23 19:24	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/18/23 13:46	07/19/23 19:24	7440-41-7	
Boron	**7.5**	mg/L	0.20	0.043	5	07/18/23 13:46	07/21/23 18:00	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/18/23 13:46	07/19/23 19:24	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/18/23 13:46	07/19/23 19:24	7440-47-3	
Cobalt	**0.042**	mg/L	0.0050	0.00039	1	07/18/23 13:46	07/19/23 19:24	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	07/18/23 13:46	07/19/23 19:24	7439-92-1	
Lithium	**0.0050J**	mg/L	0.030	0.00073	1	07/18/23 13:46	07/19/23 19:24	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/18/23 13:46	07/19/23 19:24	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	07/18/23 13:46	07/19/23 19:24	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	07/18/23 13:46	07/19/23 19:24	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/01/23 07:00	08/01/23 11:43	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1520**	mg/L	25.0	25.0	1		07/18/23 15:26		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**148**	mg/L	5.0	5.0	1		07/20/23 18:03		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/20/23 18:03		
Alkalinity, Total as CaCO3	**148**	mg/L	5.0	5.0	1		07/20/23 18:03		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-PT-05 **Lab ID: 92677696003** Collected: 07/14/23 13:00 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/20/23 03:44	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**166**	mg/L	10.0	6.0	10		07/19/23 14:21	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		07/19/23 07:30	16984-48-8	
Sulfate	**564**	mg/L	10.0	5.0	10		07/19/23 14:21	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-PT-04 **Lab ID: 92677696004** Collected: 07/14/23 14:03 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	**CUSTOMER**				1		07/17/23 17:11		
pH	**6.30**	Std. Units			1		07/17/23 17:11		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**16.0**	mg/L	0.040	0.025	1	07/20/23 09:50	07/25/23 17:38	7439-89-6	
Calcium	**297**	mg/L	1.0	0.12	1	07/20/23 09:50	07/25/23 17:38	7440-70-2	
Manganese	**17.8**	mg/L	0.040	0.011	1	07/20/23 09:50	07/20/23 16:59	7439-96-5	
Potassium	**7.2**	mg/L	0.50	0.15	1	07/20/23 09:50	07/20/23 16:59	7440-09-7	
Sodium	**12.2**	mg/L	1.0	0.58	1	07/20/23 09:50	07/20/23 16:59	7440-23-5	
Magnesium	**24.1**	mg/L	0.050	0.012	1	07/20/23 09:50	07/20/23 16:59	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	07/18/23 13:46	07/19/23 19:30	7440-36-0	
Arsenic	**0.0077J**	mg/L	0.010	0.0037	1	07/18/23 13:46	07/19/23 19:30	7440-38-2	
Barium	**0.048**	mg/L	0.0050	0.00067	1	07/18/23 13:46	07/19/23 19:30	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/18/23 13:46	07/19/23 19:30	7440-41-7	
Boron	**7.8**	mg/L	0.20	0.043	5	07/18/23 13:46	07/21/23 18:06	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/18/23 13:46	07/19/23 19:30	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/18/23 13:46	07/19/23 19:30	7440-47-3	
Cobalt	**0.058**	mg/L	0.0050	0.00039	1	07/18/23 13:46	07/19/23 19:30	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	07/18/23 13:46	07/19/23 19:30	7439-92-1	
Lithium	**0.0050J**	mg/L	0.030	0.00073	1	07/18/23 13:46	07/19/23 19:30	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/18/23 13:46	07/19/23 19:30	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	07/18/23 13:46	07/19/23 19:30	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	07/18/23 13:46	07/19/23 19:30	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/01/23 07:00	08/01/23 11:45	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1310**	mg/L	25.0	25.0	1		07/18/23 15:26		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**155**	mg/L	5.0	5.0	1		07/20/23 18:14		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/20/23 18:14		
Alkalinity, Total as CaCO3	**155**	mg/L	5.0	5.0	1		07/20/23 18:14		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-PT-04 **Lab ID: 92677696004** Collected: 07/14/23 14:03 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/20/23 03:44	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**153**	mg/L	10.0	6.0	10		07/19/23 14:35	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		07/19/23 07:44	16984-48-8	
Sulfate	**535**	mg/L	10.0	5.0	10		07/19/23 14:35	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-INW-02 **Lab ID: 92677696005** Collected: 07/14/23 14:57 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	**CUSTOMER**				1		07/17/23 17:11		
pH	**6.27**	Std. Units			1		07/17/23 17:11		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**306**	mg/L	5.0	0.61	5	07/20/23 09:50	07/25/23 17:53	7440-70-2	
Iron	**10.7**	mg/L	0.040	0.025	1	07/20/23 09:50	07/25/23 17:48	7439-89-6	
Manganese	**16.0**	mg/L	0.040	0.011	1	07/20/23 09:50	07/20/23 17:14	7439-96-5	
Potassium	**6.0**	mg/L	0.50	0.15	1	07/20/23 09:50	07/20/23 17:14	7440-09-7	
Sodium	**11.1**	mg/L	1.0	0.58	1	07/20/23 09:50	07/20/23 17:14	7440-23-5	
Magnesium	**25.8**	mg/L	0.050	0.012	1	07/20/23 09:50	07/20/23 17:14	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	07/18/23 13:46	07/19/23 19:36	7440-36-0	
Arsenic	**0.0057J**	mg/L	0.010	0.0037	1	07/18/23 13:46	07/19/23 19:36	7440-38-2	
Barium	**0.070**	mg/L	0.0050	0.00067	1	07/18/23 13:46	07/19/23 19:36	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/18/23 13:46	07/19/23 19:36	7440-41-7	
Boron	**7.1**	mg/L	0.20	0.043	5	07/18/23 13:46	07/21/23 18:12	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/18/23 13:46	07/19/23 19:36	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/18/23 13:46	07/19/23 19:36	7440-47-3	
Cobalt	**0.060**	mg/L	0.0050	0.00039	1	07/18/23 13:46	07/19/23 19:36	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	07/18/23 13:46	07/19/23 19:36	7439-92-1	
Lithium	**0.0057J**	mg/L	0.030	0.00073	1	07/18/23 13:46	07/19/23 19:36	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/18/23 13:46	07/19/23 19:36	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	07/18/23 13:46	07/19/23 19:36	7782-49-2	
Thallium	**0.00037J**	mg/L	0.0010	0.00018	1	07/18/23 13:46	07/19/23 19:36	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/01/23 07:00	08/01/23 11:48	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1460**	mg/L	25.0	25.0	1		07/18/23 15:29		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**159**	mg/L	5.0	5.0	1		07/20/23 18:27		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/20/23 18:27		
Alkalinity, Total as CaCO3	**159**	mg/L	5.0	5.0	1		07/20/23 18:27		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-INW-02 **Lab ID: 92677696005** Collected: 07/14/23 14:57 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/20/23 03:45	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**153**	mg/L	10.0	6.0	10		07/19/23 14:49	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		07/19/23 07:59	16984-48-8	
Sulfate	**532**	mg/L	10.0	5.0	10		07/19/23 14:49	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-AP2-FD-01 **Lab ID: 92677696006** Collected: 07/14/23 00:00 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**10.1**	mg/L	0.040	0.025	1	07/20/23 09:50	07/25/23 17:58	7439-89-6	
Manganese	**15.5**	mg/L	0.040	0.011	1	07/20/23 09:50	07/20/23 17:19	7439-96-5	
Potassium	**5.8**	mg/L	0.50	0.15	1	07/20/23 09:50	07/20/23 17:19	7440-09-7	
Sodium	**10.8**	mg/L	1.0	0.58	1	07/20/23 09:50	07/20/23 17:19	7440-23-5	
Calcium	**299**	mg/L	1.0	0.12	1	07/20/23 09:50	07/20/23 17:19	7440-70-2	
Magnesium	**25.0**	mg/L	0.050	0.012	1	07/20/23 09:50	07/20/23 17:19	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	07/18/23 13:46	07/19/23 19:48	7440-36-0	
Arsenic	**0.0054J**	mg/L	0.010	0.0037	1	07/18/23 13:46	07/19/23 19:48	7440-38-2	
Barium	**0.069**	mg/L	0.0050	0.00067	1	07/18/23 13:46	07/19/23 19:48	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/18/23 13:46	07/19/23 19:48	7440-41-7	
Boron	**7.1**	mg/L	0.20	0.043	5	07/18/23 13:46	07/21/23 18:18	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/18/23 13:46	07/19/23 19:48	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/18/23 13:46	07/19/23 19:48	7440-47-3	
Cobalt	**0.059**	mg/L	0.0050	0.00039	1	07/18/23 13:46	07/19/23 19:48	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	07/18/23 13:46	07/19/23 19:48	7439-92-1	
Lithium	**0.0056J**	mg/L	0.030	0.00073	1	07/18/23 13:46	07/19/23 19:48	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/18/23 13:46	07/19/23 19:48	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	07/18/23 13:46	07/19/23 19:48	7782-49-2	
Thallium	**0.00037J**	mg/L	0.0010	0.00018	1	07/18/23 13:46	07/19/23 19:48	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/01/23 07:00	08/01/23 11:56	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1520**	mg/L	25.0	25.0	1		07/18/23 15:29		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**159**	mg/L	5.0	5.0	1		07/20/23 18:38		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/20/23 18:38		
Alkalinity, Total as CaCO3	**159**	mg/L	5.0	5.0	1		07/20/23 18:38		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/20/23 03:46	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**152**	mg/L	10.0	6.0	10		07/19/23 15:03	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-AP2-FD-01 **Lab ID: 92677696006** Collected: 07/14/23 00:00 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		07/19/23 08:13	16984-48-8	
Sulfate	**531**	mg/L	10.0	5.0	10		07/19/23 15:03	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-AP2-FB-01 **Lab ID: 92677696007** Collected: 07/17/23 08:45 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	ND	mg/L	0.040	0.025	1	07/20/23 09:50	07/25/23 18:03	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	07/20/23 09:50	07/20/23 17:24	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	07/20/23 09:50	07/20/23 17:24	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	07/20/23 09:50	07/20/23 17:24	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	07/20/23 09:50	07/20/23 17:24	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	07/20/23 09:50	07/20/23 17:24	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	07/18/23 13:46	07/19/23 20:06	7440-36-0	
Arsenic	ND	mg/L	0.010	0.0037	1	07/18/23 13:46	07/19/23 20:06	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	07/18/23 13:46	07/19/23 20:06	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/18/23 13:46	07/19/23 20:06	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	07/18/23 13:46	08/04/23 12:45	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/18/23 13:46	07/19/23 20:06	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/18/23 13:46	07/19/23 20:06	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	07/18/23 13:46	07/19/23 20:06	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	07/18/23 13:46	08/04/23 12:45	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	07/18/23 13:46	07/19/23 20:06	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/18/23 13:46	07/19/23 20:06	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	07/18/23 13:46	07/19/23 20:06	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	07/18/23 13:46	07/19/23 20:06	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/01/23 07:00	08/01/23 11:58	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		07/18/23 15:31		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/20/23 18:50		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/20/23 18:50		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		07/20/23 18:50		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/20/23 04:01	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		07/19/23 08:27	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-AP2-FB-01 **Lab ID: 92677696007** Collected: 07/17/23 08:45 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		07/19/23 08:27	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		07/19/23 08:27	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-MW-59 **Lab ID: 92677696008** Collected: 07/17/23 16:24 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	**CUSTOMER**				1		07/19/23 15:54		
pH	**4.59**	Std. Units			1		07/19/23 15:54		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Boron	**9.7**	mg/L	0.040	0.027	1	07/21/23 11:15	08/01/23 14:52	7440-42-8	M1
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Cobalt	**0.16**	mg/L	0.0050	0.00039	1	07/21/23 13:26	07/27/23 15:24	7440-48-4	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-MW-33 **Lab ID: 92677696009** Collected: 07/18/23 09:47 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	**CUSTOMER**				1		07/19/23 15:54		
pH	**4.48**	Std. Units			1		07/19/23 15:54		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**0.22**	mg/L	0.040	0.025	1	07/21/23 11:15	08/01/23 15:12	7439-89-6	
Manganese	**4.1**	mg/L	0.040	0.011	1	07/21/23 11:15	08/01/23 15:12	7439-96-5	
Potassium	**9.6**	mg/L	0.50	0.15	1	07/21/23 11:15	08/01/23 15:12	7440-09-7	
Sodium	**9.3**	mg/L	1.0	0.58	1	07/21/23 11:15	08/01/23 15:12	7440-23-5	
Magnesium	**38.9**	mg/L	0.050	0.012	1	07/21/23 11:15	08/01/23 15:12	7439-95-4	
Calcium	**397**	mg/L	5.0	0.61	5	07/21/23 11:15	08/02/23 12:39	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	07/21/23 13:26	07/27/23 15:30	7440-36-0	
Arsenic	**0.0050J**	mg/L	0.010	0.0037	1	07/21/23 13:26	07/27/23 15:30	7440-38-2	
Barium	**0.022**	mg/L	0.0050	0.00067	1	07/21/23 13:26	07/27/23 15:30	7440-39-3	
Beryllium	**0.00096**	mg/L	0.00050	0.000054	1	07/21/23 13:26	07/27/23 15:30	7440-41-7	
Boron	**6.9**	mg/L	0.040	0.0086	1	07/21/23 13:26	07/27/23 15:30	7440-42-8	
Cadmium	**0.00017J**	mg/L	0.00050	0.00011	1	07/21/23 13:26	07/27/23 15:30	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/21/23 13:26	07/27/23 15:30	7440-47-3	
Cobalt	**0.060**	mg/L	0.0050	0.00039	1	07/21/23 13:26	07/27/23 15:30	7440-48-4	
Lead	**0.0012**	mg/L	0.0010	0.00012	1	07/21/23 13:26	07/27/23 15:30	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	07/21/23 13:26	07/27/23 15:30	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/21/23 13:26	07/27/23 15:30	7439-98-7	
Selenium	**0.0051**	mg/L	0.0050	0.0014	1	07/21/23 13:26	07/27/23 15:30	7782-49-2	
Thallium	**0.00022J**	mg/L	0.0010	0.00018	1	07/21/23 13:26	07/27/23 15:30	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/01/23 07:00	08/01/23 12:01	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1850**	mg/L	25.0	25.0	1		07/21/23 12:01		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/24/23 12:42		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/24/23 12:42		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		07/24/23 12:42		

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(704)875-9092

ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-MW-33 **Lab ID: 92677696009** Collected: 07/18/23 09:47 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/20/23 04:03	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**102**	mg/L	21.0	12.6	21		07/21/23 13:39	16887-00-6	
Fluoride	**0.22**	mg/L	0.10	0.050	1		07/20/23 18:59	16984-48-8	
Sulfate	**1090**	mg/L	21.0	10.5	21		07/21/23 13:39	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-MW-35 **Lab ID: 92677696010** Collected: 07/18/23 11:29 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	**CUSTOMER**				1		07/19/23 15:55		
pH	**4.93**	Std. Units			1		07/19/23 15:55		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**0.76**	mg/L	0.040	0.025	1	07/21/23 11:15	08/01/23 15:17	7439-89-6	
Manganese	**9.7**	mg/L	0.040	0.011	1	07/21/23 11:15	08/01/23 15:17	7439-96-5	
Potassium	**7.1**	mg/L	0.50	0.15	1	07/21/23 11:15	08/01/23 15:17	7440-09-7	
Sodium	**12.1**	mg/L	1.0	0.58	1	07/21/23 11:15	08/01/23 15:17	7440-23-5	
Magnesium	**74.1**	mg/L	0.050	0.012	1	07/21/23 11:15	08/01/23 15:17	7439-95-4	
Calcium	**492**	mg/L	5.0	0.61	5	07/21/23 11:15	08/02/23 12:44	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	07/21/23 13:26	07/27/23 15:36	7440-36-0	
Arsenic	**0.0056J**	mg/L	0.010	0.0037	1	07/21/23 13:26	07/27/23 15:36	7440-38-2	
Barium	**0.022**	mg/L	0.0050	0.00067	1	07/21/23 13:26	07/27/23 15:36	7440-39-3	
Beryllium	**0.00053**	mg/L	0.00050	0.000054	1	07/21/23 13:26	07/27/23 15:36	7440-41-7	
Boron	**9.5**	mg/L	0.040	0.0086	1	07/21/23 13:26	07/27/23 15:36	7440-42-8	
Cadmium	**0.0012**	mg/L	0.00050	0.00011	1	07/21/23 13:26	07/27/23 15:36	7440-43-9	
Chromium	**0.0014J**	mg/L	0.0050	0.0011	1	07/21/23 13:26	07/27/23 15:36	7440-47-3	
Cobalt	**0.087**	mg/L	0.0050	0.00039	1	07/21/23 13:26	07/27/23 15:36	7440-48-4	
Lead	**0.00090J**	mg/L	0.0010	0.00012	1	07/21/23 13:26	07/27/23 15:36	7439-92-1	
Lithium	**0.0035J**	mg/L	0.030	0.00073	1	07/21/23 13:26	07/27/23 15:36	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/21/23 13:26	07/27/23 15:36	7439-98-7	
Selenium	**0.0052**	mg/L	0.0050	0.0014	1	07/21/23 13:26	07/27/23 15:36	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	07/21/23 13:26	07/27/23 15:36	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/01/23 07:00	08/01/23 12:04	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**2340**	mg/L	25.0	25.0	1		07/21/23 12:02		1g
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/24/23 12:56		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/24/23 12:56		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		07/24/23 12:56		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-MW-35 **Lab ID: 92677696010** Collected: 07/18/23 11:29 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/20/23 04:03	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**191**	mg/L	24.0	14.4	24		07/21/23 07:01	16887-00-6	
Fluoride	**0.077J**	mg/L	0.10	0.050	1		07/20/23 19:15	16984-48-8	
Sulfate	**1200**	mg/L	24.0	12.0	24		07/21/23 07:01	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-PT-03 **Lab ID: 92677696011** Collected: 07/18/23 12:33 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	**CUSTOMER**				1		07/19/23 15:55		
pH	**4.64**	Std. Units			1		07/19/23 15:55		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**0.26**	mg/L	0.040	0.025	1	07/21/23 11:15	08/01/23 15:22	7439-89-6	
Manganese	**8.2**	mg/L	0.040	0.011	1	07/21/23 11:15	08/01/23 15:22	7439-96-5	
Potassium	**5.4**	mg/L	0.50	0.15	1	07/21/23 11:15	08/01/23 15:22	7440-09-7	
Sodium	**11.7**	mg/L	1.0	0.58	1	07/21/23 11:15	08/01/23 15:22	7440-23-5	
Magnesium	**36.9**	mg/L	0.050	0.012	1	07/21/23 11:15	08/01/23 15:22	7439-95-4	
Calcium	**382**	mg/L	5.0	0.61	5	07/21/23 11:15	08/03/23 17:02	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	**0.0029J**	mg/L	0.0030	0.0012	1	07/21/23 13:26	07/27/23 16:00	7440-36-0	
Arsenic	**0.0076J**	mg/L	0.010	0.0037	1	07/21/23 13:26	07/27/23 16:00	7440-38-2	
Barium	**0.025**	mg/L	0.0050	0.00067	1	07/21/23 13:26	07/27/23 16:00	7440-39-3	
Beryllium	**0.0026**	mg/L	0.00050	0.000054	1	07/21/23 13:26	07/27/23 16:00	7440-41-7	
Boron	**8.2**	mg/L	0.040	0.0086	1	07/21/23 13:26	07/27/23 16:00	7440-42-8	
Cadmium	**0.00062**	mg/L	0.00050	0.00011	1	07/21/23 13:26	07/27/23 16:00	7440-43-9	
Chromium	**0.0011J**	mg/L	0.0050	0.0011	1	07/21/23 13:26	07/27/23 16:00	7440-47-3	
Cobalt	**0.12**	mg/L	0.0050	0.00039	1	07/21/23 13:26	07/27/23 16:00	7440-48-4	
Lead	**0.0014**	mg/L	0.0010	0.00012	1	07/21/23 13:26	07/27/23 16:00	7439-92-1	
Lithium	**0.0031J**	mg/L	0.030	0.00073	1	07/21/23 13:26	07/27/23 16:00	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/21/23 13:26	07/27/23 16:00	7439-98-7	
Selenium	**0.011**	mg/L	0.0050	0.0014	1	07/21/23 13:26	07/27/23 16:00	7782-49-2	
Thallium	**0.00021J**	mg/L	0.0010	0.00018	1	07/21/23 13:26	07/27/23 16:00	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/01/23 07:00	08/01/23 12:06	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**2690**	mg/L	25.0	25.0	1		07/21/23 12:02		1g
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/24/23 13:01		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/24/23 13:01		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		07/24/23 13:01		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-PT-03 **Lab ID: 92677696011** Collected: 07/18/23 12:33 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/20/23 04:04	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**138**	mg/L	19.0	11.4	19		07/21/23 07:47	16887-00-6	
Fluoride	**0.84**	mg/L	0.10	0.050	1		07/21/23 01:51	16984-48-8	
Sulfate	**948**	mg/L	19.0	9.5	19		07/21/23 07:47	14808-79-8	M1

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-PT-01 **Lab ID: 92677696012** Collected: 07/18/23 13:24 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	**CUSTOMER**				1		07/19/23 15:56		
pH	**4.63**	Std. Units			1		07/19/23 15:56		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**0.078**	mg/L	0.040	0.025	1	07/21/23 11:15	08/01/23 15:27	7439-89-6	
Manganese	**9.6**	mg/L	0.040	0.011	1	07/21/23 11:15	08/01/23 15:27	7439-96-5	
Potassium	**5.2**	mg/L	0.50	0.15	1	07/21/23 11:15	08/01/23 15:27	7440-09-7	
Sodium	**8.8**	mg/L	1.0	0.58	1	07/21/23 11:15	08/01/23 15:27	7440-23-5	
Magnesium	**38.2**	mg/L	0.050	0.012	1	07/21/23 11:15	08/01/23 15:27	7439-95-4	
Calcium	**370**	mg/L	5.0	0.61	5	07/21/23 11:15	08/02/23 12:54	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	07/21/23 13:26	07/27/23 16:06	7440-36-0	
Arsenic	**0.0075J**	mg/L	0.010	0.0037	1	07/21/23 13:26	07/27/23 16:06	7440-38-2	
Barium	**0.046**	mg/L	0.0050	0.00067	1	07/21/23 13:26	07/27/23 16:06	7440-39-3	
Beryllium	**0.0024**	mg/L	0.00050	0.000054	1	07/21/23 13:26	07/27/23 16:06	7440-41-7	
Boron	**8.1**	mg/L	0.040	0.0086	1	07/21/23 13:26	07/27/23 16:06	7440-42-8	
Cadmium	**0.00099**	mg/L	0.00050	0.00011	1	07/21/23 13:26	07/27/23 16:06	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/21/23 13:26	07/27/23 16:06	7440-47-3	
Cobalt	**0.11**	mg/L	0.0050	0.00039	1	07/21/23 13:26	07/27/23 16:06	7440-48-4	
Lead	**0.00072J**	mg/L	0.0010	0.00012	1	07/21/23 13:26	07/27/23 16:06	7439-92-1	
Lithium	**0.0052J**	mg/L	0.030	0.00073	1	07/21/23 13:26	07/27/23 16:06	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/21/23 13:26	07/27/23 16:06	7439-98-7	
Selenium	**0.011**	mg/L	0.0050	0.0014	1	07/21/23 13:26	07/27/23 16:06	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	07/21/23 13:26	07/27/23 16:06	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	**0.00023**	mg/L	0.00020	0.00013	1	08/01/23 07:00	08/01/23 12:09	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1700**	mg/L	25.0	25.0	1		07/21/23 12:02		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/24/23 13:06		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/24/23 13:06		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		07/24/23 13:06		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-PT-01 **Lab ID: 92677696012** Collected: 07/18/23 13:24 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/20/23 04:04	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**147**	mg/L	11.0	6.6	11		07/21/23 08:32	16887-00-6	
Fluoride	**0.70**	mg/L	0.10	0.050	1		07/21/23 02:38	16984-48-8	
Sulfate	**892**	mg/L	11.0	5.5	11		07/21/23 08:32	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-PT-02 **Lab ID: 92677696013** Collected: 07/18/23 16:20 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	**CUSTOMER**				1		07/19/23 15:56		
pH	**4.97**	Std. Units			1		07/19/23 15:56		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**0.44**	mg/L	0.040	0.025	1	07/21/23 11:15	08/01/23 15:47	7439-89-6	
Manganese	**12.6**	mg/L	0.040	0.011	1	07/21/23 11:15	08/01/23 15:47	7439-96-5	
Potassium	**5.2**	mg/L	0.50	0.15	1	07/21/23 11:15	08/01/23 15:47	7440-09-7	
Sodium	**9.3**	mg/L	1.0	0.58	1	07/21/23 11:15	08/01/23 15:47	7440-23-5	
Magnesium	**44.0**	mg/L	0.050	0.012	1	07/21/23 11:15	08/01/23 15:47	7439-95-4	
Calcium	**379**	mg/L	5.0	0.61	5	07/21/23 11:15	08/02/23 12:59	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	**0.0013J**	mg/L	0.0030	0.0012	1	07/21/23 13:26	07/27/23 16:58	7440-36-0	
Arsenic	**0.0063J**	mg/L	0.010	0.0037	1	07/21/23 13:26	07/27/23 16:58	7440-38-2	
Barium	**0.054**	mg/L	0.0050	0.00067	1	07/21/23 13:26	07/27/23 16:58	7440-39-3	
Beryllium	**0.0016**	mg/L	0.00050	0.000054	1	07/21/23 13:26	07/27/23 16:58	7440-41-7	
Boron	**8.3**	mg/L	0.040	0.0086	1	07/21/23 13:26	07/27/23 16:58	7440-42-8	
Cadmium	**0.00091**	mg/L	0.00050	0.00011	1	07/21/23 13:26	07/27/23 16:58	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/21/23 13:26	07/27/23 16:58	7440-47-3	
Cobalt	**0.13**	mg/L	0.0050	0.00039	1	07/21/23 13:26	07/27/23 16:58	7440-48-4	
Lead	**0.00043J**	mg/L	0.0010	0.00012	1	07/21/23 13:26	07/27/23 16:58	7439-92-1	
Lithium	**0.0069J**	mg/L	0.030	0.00073	1	07/21/23 13:26	07/27/23 16:58	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/21/23 13:26	07/27/23 16:58	7439-98-7	
Selenium	**0.0075**	mg/L	0.0050	0.0014	1	07/21/23 13:26	07/27/23 16:58	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	07/21/23 13:26	07/27/23 16:58	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/01/23 07:00	08/01/23 12:12	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1830**	mg/L	25.0	25.0	1		07/21/23 12:03		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**5.5**	mg/L	5.0	5.0	1		07/24/23 13:11		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/24/23 13:11		
Alkalinity, Total as CaCO3	**5.5**	mg/L	5.0	5.0	1		07/24/23 13:11		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-PT-02 **Lab ID: 92677696013** Collected: 07/18/23 16:20 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/20/23 04:06	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**174**	mg/L	11.0	6.6	11		07/21/23 08:47	16887-00-6	
Fluoride	**0.47**	mg/L	0.10	0.050	1		07/21/23 02:54	16984-48-8	
Sulfate	**938**	mg/L	11.0	5.5	11		07/21/23 08:47	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-INW-01 **Lab ID: 92677696014** Collected: 07/19/23 09:31 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	**CUSTOMER**				1		07/19/23 15:56		
pH	**5.18**	Std. Units			1		07/19/23 15:56		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**2.9**	mg/L	0.040	0.025	1	07/21/23 11:15	08/01/23 15:53	7439-89-6	
Manganese	**14.4**	mg/L	0.040	0.011	1	07/21/23 11:15	08/01/23 15:53	7439-96-5	
Potassium	**5.4**	mg/L	0.50	0.15	1	07/21/23 11:15	08/01/23 15:53	7440-09-7	
Sodium	**10**	mg/L	1.0	0.58	1	07/21/23 11:15	08/01/23 15:53	7440-23-5	
Magnesium	**52.3**	mg/L	0.050	0.012	1	07/21/23 11:15	08/01/23 15:53	7439-95-4	
Calcium	**397**	mg/L	5.0	0.61	5	07/21/23 11:15	08/02/23 13:04	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	07/21/23 13:26	07/27/23 17:04	7440-36-0	
Arsenic	**0.0061J**	mg/L	0.010	0.0037	1	07/21/23 13:26	07/27/23 17:04	7440-38-2	
Barium	**0.069**	mg/L	0.0050	0.00067	1	07/21/23 13:26	07/27/23 17:04	7440-39-3	
Beryllium	**0.0010**	mg/L	0.00050	0.000054	1	07/21/23 13:26	07/27/23 17:04	7440-41-7	
Boron	**8.7**	mg/L	0.040	0.0086	1	07/21/23 13:26	07/27/23 17:04	7440-42-8	
Cadmium	**0.00059**	mg/L	0.00050	0.00011	1	07/21/23 13:26	07/27/23 17:04	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/21/23 13:26	07/27/23 17:04	7440-47-3	
Cobalt	**0.13**	mg/L	0.0050	0.00039	1	07/21/23 13:26	07/27/23 17:04	7440-48-4	
Lead	**0.00037J**	mg/L	0.0010	0.00012	1	07/21/23 13:26	07/27/23 17:04	7439-92-1	
Lithium	**0.0064J**	mg/L	0.030	0.00073	1	07/21/23 13:26	07/27/23 17:04	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/21/23 13:26	07/27/23 17:04	7439-98-7	
Selenium	**0.0075**	mg/L	0.0050	0.0014	1	07/21/23 13:26	07/27/23 17:04	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	07/21/23 13:26	07/27/23 17:04	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/01/23 07:00	08/01/23 12:14	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**2000**	mg/L	25.0	25.0	1		07/21/23 12:03		1g
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**14.9**	mg/L	5.0	5.0	1		07/24/23 13:16		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/24/23 13:16		
Alkalinity, Total as CaCO3	**14.9**	mg/L	5.0	5.0	1		07/24/23 13:16		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-INW-01 **Lab ID: 92677696014** Collected: 07/19/23 09:31 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/20/23 04:06	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**210**	mg/L	19.0	11.4	19		07/21/23 09:18	16887-00-6	
Fluoride	**0.34**	mg/L	0.10	0.050	1		07/21/23 03:56	16984-48-8	
Sulfate	**975**	mg/L	19.0	9.5	19		07/21/23 09:18	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-MW-57 **Lab ID: 92677696015** Collected: 07/19/23 10:40 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	**CUSTOMER**				1		07/19/23 15:57		
pH	**6.45**	Std. Units			1		07/19/23 15:57		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Boron	**8.5**	mg/L	0.040	0.027	1	07/21/23 11:15	08/01/23 15:58	7440-42-8	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Cobalt	**0.049**	mg/L	0.0050	0.00039	1	07/21/23 13:26	07/27/23 17:10	7440-48-4	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 787863
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006, 92677696007

METHOD BLANK: 4084625 Matrix: Water
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006, 92677696007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	07/20/23 15:30	
Iron	mg/L	ND	0.040	0.025	07/25/23 15:43	
Magnesium	mg/L	ND	0.050	0.012	07/20/23 15:30	
Manganese	mg/L	ND	0.040	0.011	07/20/23 15:30	
Potassium	mg/L	ND	0.50	0.15	07/20/23 15:30	
Sodium	mg/L	ND	1.0	0.58	07/20/23 15:30	

LABORATORY CONTROL SAMPLE: 4084626

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.92J	92	80-120	
Iron	mg/L	1	0.99	99	80-120	
Magnesium	mg/L	1	0.93	93	80-120	
Manganese	mg/L	1	0.94	94	80-120	
Potassium	mg/L	1	0.88	88	80-120	
Sodium	mg/L	1	0.84J	84	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4085060 4085061

Parameter	Units	92677694001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	107	1	1	109	104	196	-279	75-125	4	20	M1
Iron	mg/L	0.27	1	1	1.3	1.3	99	105	75-125	5	20	
Magnesium	mg/L	14.9	1	1	16.2	15.6	128	74	75-125	3	20	M1
Manganese	mg/L	0.28	1	1	1.2	1.3	96	100	75-125	3	20	
Potassium	mg/L	6.9	1	1	8.1	7.8	118	90	75-125	3	20	
Sodium	mg/L	8.8	1	1	9.9	9.5	111	73	75-125	4	20	M1

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 788329
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92677696008, 92677696009, 92677696010, 92677696011, 92677696012, 92677696013, 92677696014, 92677696015

METHOD BLANK: 4086684 Matrix: Water
Associated Lab Samples: 92677696008, 92677696009, 92677696010, 92677696011, 92677696012, 92677696013, 92677696014, 92677696015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	mg/L	ND	0.040	0.027	08/01/23 14:43	
Calcium	mg/L	ND	1.0	0.12	08/01/23 14:43	
Iron	mg/L	ND	0.040	0.025	08/02/23 16:01	
Magnesium	mg/L	ND	0.050	0.012	08/01/23 14:43	
Manganese	mg/L	ND	0.040	0.011	08/01/23 14:43	
Potassium	mg/L	ND	0.50	0.15	08/01/23 14:43	
Sodium	mg/L	ND	1.0	0.58	08/01/23 14:43	

LABORATORY CONTROL SAMPLE: 4086685

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	1	0.99	99	80-120	
Calcium	mg/L	1	1.0	102	80-120	
Iron	mg/L	1	1.0	102	80-120	
Magnesium	mg/L	1	1.0	103	80-120	
Manganese	mg/L	1	1.0	104	80-120	
Potassium	mg/L	1	1.0	101	80-120	
Sodium	mg/L	1	0.98J	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4086751 4086752

Parameter	Units	92677696008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	9.7	1	1	10.6	11.0	95	136	75-125	4	20	M1
Calcium	mg/L		1	1	512	524	-572	606	75-125	2	20	M1
Iron	mg/L		1	1	3.0	3.1	96	100	75-125	1	20	
Magnesium	mg/L		1	1	46.7	48.0	11	135	75-125	3	20	M1
Manganese	mg/L		1	1	11.2	11.6	84	122	75-125	3	20	
Potassium	mg/L		1	1	7.7	8.0	76	101	75-125	3	20	
Sodium	mg/L		1	1	16.7	17.0	84	120	75-125	2	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 787489
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006, 92677696007

METHOD BLANK: 4082463 Matrix: Water
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006, 92677696007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.0012	07/19/23 17:43	
Arsenic	mg/L	ND	0.010	0.0037	07/19/23 17:43	
Barium	mg/L	ND	0.0050	0.00067	07/19/23 17:43	
Beryllium	mg/L	ND	0.00050	0.000054	07/19/23 17:43	
Boron	mg/L	ND	0.040	0.0086	07/21/23 16:25	
Cadmium	mg/L	ND	0.00050	0.00011	07/19/23 17:43	
Chromium	mg/L	ND	0.0050	0.0011	07/19/23 17:43	
Cobalt	mg/L	ND	0.0050	0.00039	07/19/23 17:43	
Lead	mg/L	ND	0.0010	0.00012	07/19/23 17:43	
Lithium	mg/L	ND	0.030	0.00073	07/19/23 17:43	
Molybdenum	mg/L	ND	0.010	0.00074	07/19/23 17:43	
Selenium	mg/L	ND	0.0050	0.0014	07/19/23 17:43	
Thallium	mg/L	ND	0.0010	0.00018	07/19/23 17:43	

LABORATORY CONTROL SAMPLE: 4082464

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	107	80-120	
Arsenic	mg/L	0.1	0.099	99	80-120	
Barium	mg/L	0.1	0.096	96	80-120	
Beryllium	mg/L	0.1	0.10	102	80-120	
Boron	mg/L	1	1.1	110	80-120	
Cadmium	mg/L	0.1	0.10	103	80-120	
Chromium	mg/L	0.1	0.10	102	80-120	
Cobalt	mg/L	0.1	0.10	101	80-120	
Lead	mg/L	0.1	0.10	102	80-120	
Lithium	mg/L	0.1	0.10	103	80-120	
Molybdenum	mg/L	0.1	0.10	102	80-120	
Selenium	mg/L	0.1	0.10	101	80-120	
Thallium	mg/L	0.1	0.097	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4082465 4082466

Parameter	Units	92677694001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	109	110	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.11	104	106	75-125	2	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4082465 4082466

Parameter	Units	92677694001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	mg/L	0.047	0.1	0.1	0.16	0.16	114	113	75-125	1	20	
Beryllium	mg/L	0.000073J	0.1	0.1	0.095	0.096	95	96	75-125	1	20	
Boron	mg/L	2.0	1	1	3.1	2.9	108	94	75-125	5	20	
Cadmium	mg/L	0.00031J	0.1	0.1	0.10	0.10	102	104	75-125	1	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.099	101	99	75-125	2	20	
Cobalt	mg/L	0.0015J	0.1	0.1	0.10	0.099	99	97	75-125	1	20	
Lead	mg/L	0.00013J	0.1	0.1	0.10	0.10	100	100	75-125	1	20	
Lithium	mg/L	0.0015J	0.1	0.1	0.099	0.099	97	98	75-125	0	20	
Molybdenum	mg/L	0.30	0.1	0.1	0.42	0.42	121	123	75-125	1	20	
Selenium	mg/L	ND	0.1	0.1	0.11	0.11	106	106	75-125	0	20	
Thallium	mg/L	0.00026J	0.1	0.1	0.097	0.096	97	96	75-125	1	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 788417
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92677696008, 92677696009, 92677696010, 92677696011, 92677696012, 92677696013, 92677696014, 92677696015

METHOD BLANK: 4086984 Matrix: Water
Associated Lab Samples: 92677696008, 92677696009, 92677696010, 92677696011, 92677696012, 92677696013, 92677696014, 92677696015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.0012	07/27/23 15:12	
Arsenic	mg/L	ND	0.010	0.0037	07/27/23 15:12	
Barium	mg/L	ND	0.0050	0.00067	07/27/23 15:12	
Beryllium	mg/L	ND	0.00050	0.000054	07/27/23 15:12	
Boron	mg/L	ND	0.040	0.0086	07/27/23 15:12	
Cadmium	mg/L	ND	0.00050	0.00011	07/27/23 15:12	
Chromium	mg/L	ND	0.0050	0.0011	07/27/23 15:12	
Cobalt	mg/L	ND	0.0050	0.00039	07/27/23 15:12	
Lead	mg/L	ND	0.0010	0.00012	07/27/23 15:12	
Lithium	mg/L	ND	0.030	0.00073	07/27/23 15:12	
Molybdenum	mg/L	ND	0.010	0.00074	07/27/23 15:12	
Selenium	mg/L	ND	0.0050	0.0014	07/27/23 15:12	
Thallium	mg/L	ND	0.0010	0.00018	07/27/23 15:12	

LABORATORY CONTROL SAMPLE: 4086985

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	114	80-120	
Arsenic	mg/L	0.1	0.10	104	80-120	
Barium	mg/L	0.1	0.099	99	80-120	
Beryllium	mg/L	0.1	0.11	109	80-120	
Boron	mg/L	1	1.1	108	80-120	
Cadmium	mg/L	0.1	0.10	105	80-120	
Chromium	mg/L	0.1	0.11	105	80-120	
Cobalt	mg/L	0.1	0.11	105	80-120	
Lead	mg/L	0.1	0.10	102	80-120	
Lithium	mg/L	0.1	0.11	111	80-120	
Molybdenum	mg/L	0.1	0.10	105	80-120	
Selenium	mg/L	0.1	0.10	101	80-120	
Thallium	mg/L	0.1	0.099	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4087071 4087072

Parameter	Units	92677696010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.12	0.11	117	112	75-125	4	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4087071 4087072

Parameter	Units	92677696010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	0.0056J	0.1	0.1	0.12	0.11	110	107	75-125	3	20	
Barium	mg/L	0.022	0.1	0.1	0.13	0.12	104	100	75-125	3	20	
Beryllium	mg/L	0.00053	0.1	0.1	0.093	0.092	92	91	75-125	1	20	
Boron	mg/L	9.5	1	1	10.4	10.2	87	71	75-125	2	20	
Cadmium	mg/L	0.0012	0.1	0.1	0.10	0.10	101	99	75-125	2	20	
Chromium	mg/L	0.0014J	0.1	0.1	0.10	0.10	103	100	75-125	3	20	
Cobalt	mg/L	0.087	0.1	0.1	0.19	0.18	100	98	75-125	1	20	
Lead	mg/L	0.00090J	0.1	0.1	0.094	0.091	93	91	75-125	3	20	
Lithium	mg/L	0.0035J	0.1	0.1	0.10	0.10	97	96	75-125	0	20	
Molybdenum	mg/L	ND	0.1	0.1	0.11	0.10	107	104	75-125	2	20	
Selenium	mg/L	0.0052	0.1	0.1	0.12	0.12	116	113	75-125	2	20	
Thallium	mg/L	ND	0.1	0.1	0.092	0.090	92	90	75-125	2	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 790376
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006, 92677696007, 92677696009, 92677696010, 92677696011, 92677696012, 92677696013, 92677696014

METHOD BLANK: 4096218 Matrix: Water
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006, 92677696007, 92677696009, 92677696010, 92677696011, 92677696012, 92677696013, 92677696014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	08/01/23 11:24	

LABORATORY CONTROL SAMPLE: 4096219

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0023	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4096220 4096221

Parameter	Units	92677696001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	0.00020J	0.0025	0.0025	0.0023	0.0023	84	83	75-125	1	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 787441 | Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006, 92677696007

METHOD BLANK: 4082157 Matrix: Water
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006, 92677696007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	07/18/23 15:23	

LABORATORY CONTROL SAMPLE: 4082158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	409	102	80-120	

SAMPLE DUPLICATE: 4082159

Parameter	Units	92677694001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	513	511	0	10	

SAMPLE DUPLICATE: 4082160

Parameter	Units	92677696005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1460	1570	8	10	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 788206 — Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 — Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92677696009, 92677696010, 92677696011, 92677696012, 92677696013, 92677696014

METHOD BLANK: 4086319 — Matrix: Water
Associated Lab Samples: 92677696009, 92677696010, 92677696011, 92677696012, 92677696013, 92677696014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	07/21/23 11:58	

LABORATORY CONTROL SAMPLE: 4086320

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	412	103	80-120	

SAMPLE DUPLICATE: 4086321

Parameter	Units	92678098001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	139	106	27	10	D6

SAMPLE DUPLICATE: 4086322

Parameter	Units	92678314001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2420	8220	109	10	D6

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 788121 | Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006, 92677696007

METHOD BLANK: 4085797 Matrix: Water
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006, 92677696007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	07/20/23 16:09	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	07/20/23 16:09	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	07/20/23 16:09	

LABORATORY CONTROL SAMPLE: 4085798

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.4	103	80-120	

LABORATORY CONTROL SAMPLE: 4085799

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.7	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4085800 4085801

Parameter	Units	92677753005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	121	50	50	180	180	118	118	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4085802 4085803

Parameter	Units	92677753006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	76.8	50	50	129	131	103	108	80-120	2	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 788708 — Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 — Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92677696009, 92677696010, 92677696011, 92677696012, 92677696013, 92677696014

METHOD BLANK: 4087983 — Matrix: Water
Associated Lab Samples: 92677696009, 92677696010, 92677696011, 92677696012, 92677696013, 92677696014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	07/24/23 11:40	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	07/24/23 11:40	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	07/24/23 11:40	

LABORATORY CONTROL SAMPLE: 4087984

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

LABORATORY CONTROL SAMPLE: 4087985

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4087986 — 4087987

Parameter	Units	92678264010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	7.2	50	50	57.9	57.8	101	101	80-120	0	25	H1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4087988 — 4087989

Parameter	Units	92678043001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	32.2	50	50	82.7	84.0	101	104	80-120	2	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 787902 | Analysis Method: SM 4500-S2D-2011
QC Batch Method: SM 4500-S2D-2011 | Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006

METHOD BLANK: 4084741 Matrix: Water
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	07/20/23 03:38	

LABORATORY CONTROL SAMPLE: 4084742

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.49	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4084743 4084744

Parameter	Units	92677694001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.47	0.47	93	93	80-120	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4084745 4084746

Parameter	Units	92677696005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.48	0.46	94	90	80-120	5	10	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 787903 | Analysis Method: SM 4500-S2D-2011
QC Batch Method: SM 4500-S2D-2011 | Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92677696007, 92677696009, 92677696010, 92677696011, 92677696012, 92677696013, 92677696014

METHOD BLANK: 4084747 Matrix: Water
Associated Lab Samples: 92677696007, 92677696009, 92677696010, 92677696011, 92677696012, 92677696013, 92677696014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	07/20/23 03:57	

LABORATORY CONTROL SAMPLE: 4084748

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.49	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4084749 4084750

Parameter	Units	92678161006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.53	0.54	105	108	80-120	3	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4084751 4084752

Parameter	Units	92677696012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.43	0.47	84	93	80-120	10	10	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 787377 | Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 | Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006, 92677696007

METHOD BLANK: 4081859 Matrix: Water
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006, 92677696007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	07/19/23 05:21	
Fluoride	mg/L	ND	0.10	0.050	07/19/23 05:21	
Sulfate	mg/L	ND	1.0	0.50	07/19/23 05:21	

LABORATORY CONTROL SAMPLE: 4081860

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.4	101	90-110	
Fluoride	mg/L	2.5	2.4	98	90-110	
Sulfate	mg/L	50	49.8	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4081861 4081862

Parameter	Units	92677694008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	17.8	50	50	69.7	70.1	104	105	90-110	1	10	
Fluoride	mg/L	0.32	2.5	2.5	2.8	2.8	98	99	90-110	1	10	
Sulfate	mg/L	393	50	50	422	418	58	49	90-110	1	10	M1

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 787928
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92677696009, 92677696010

METHOD BLANK: 4084797 Matrix: Water
Associated Lab Samples: 92677696009, 92677696010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	07/20/23 11:29	
Fluoride	mg/L	ND	0.10	0.050	07/20/23 11:29	
Sulfate	mg/L	ND	1.0	0.50	07/20/23 11:29	

LABORATORY CONTROL SAMPLE: 4084798

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	52.7	105	90-110	
Fluoride	mg/L	2.5	2.7	108	90-110	
Sulfate	mg/L	50	53.2	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4084799 4084800

Parameter	Units	92678109003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	12.9	50	50	66.6	67.3	107	109	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.7	2.8	107	109	90-110	1	10	
Sulfate	mg/L	84.7	50	50	128	129	87	89	90-110	1	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4084801 4084802

Parameter	Units	92677725002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	22.3	50	50	76.5	77.2	108	110	90-110	1	10	
Fluoride	mg/L	0.31	2.5	2.5	3.6	3.7	131	134	90-110	2	10	M1
Sulfate	mg/L	ND	50	50	54.9	55.6	109	111	90-110	1	10	M1

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

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 787930
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92677696011, 92677696012, 92677696013, 92677696014

METHOD BLANK: 4084807 Matrix: Water
Associated Lab Samples: 92677696011, 92677696012, 92677696013, 92677696014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	07/21/23 12:06	
Fluoride	mg/L	ND	0.10	0.050	07/21/23 12:06	
Sulfate	mg/L	ND	1.0	0.50	07/21/23 12:06	

LABORATORY CONTROL SAMPLE: 4084808

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.2	102	90-110	
Fluoride	mg/L	2.5	2.5	101	90-110	
Sulfate	mg/L	50	51.4	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4084809 4084810

Parameter	Units	92677696011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	138	50	50	185	187	94	97	90-110	1	10	
Fluoride	mg/L	0.84	2.5	2.5	3.5	3.6	105	109	90-110	3	10	
Sulfate	mg/L	948	50	50	991	1000	86	109	90-110	1	10	M1

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QUALIFIERS

Project: Hammond AP-2
Pace Project No.: 92677696

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1g	“Sample residue exceeded method SM 2540C recommended 200 mg.”
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
H1	Analysis conducted outside the EPA method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hammond AP-2
Pace Project No.: 92677696

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92677696001	**HAM-HGWC-18**				
92677696002	**HAM-PT-06**				
92677696003	**HAM-PT-05**				
92677696004	**HAM-PT-04**				
92677696005	**HAM-INW-02**				
92677696008	**HAM-MW-59**				
92677696009	**HAM-MW-33**				
92677696010	**HAM-MW-35**				
92677696011	**HAM-PT-03**				
92677696012	**HAM-PT-01**				
92677696013	**HAM-PT-02**				
92677696014	**HAM-INW-01**				
92677696015	**HAM-MW-57**				
92677696001	**HAM-HGWC-18**	EPA 3010A	787863	EPA 6010D	788067
92677696002	**HAM-PT-06**	EPA 3010A	787863	EPA 6010D	788067
92677696003	**HAM-PT-05**	EPA 3010A	787863	EPA 6010D	788067
92677696004	**HAM-PT-04**	EPA 3010A	787863	EPA 6010D	788067
92677696005	**HAM-INW-02**	EPA 3010A	787863	EPA 6010D	788067
92677696006	**HAM-AP2-FD-01**	EPA 3010A	787863	EPA 6010D	788067
92677696007	**HAM-AP2-FB-01**	EPA 3010A	787863	EPA 6010D	788067
92677696008	**HAM-MW-59**	EPA 3010A	788329	EPA 6010D	788467
92677696009	**HAM-MW-33**	EPA 3010A	788329	EPA 6010D	788467
92677696010	**HAM-MW-35**	EPA 3010A	788329	EPA 6010D	788467
92677696011	**HAM-PT-03**	EPA 3010A	788329	EPA 6010D	788467
92677696012	**HAM-PT-01**	EPA 3010A	788329	EPA 6010D	788467
92677696013	**HAM-PT-02**	EPA 3010A	788329	EPA 6010D	788467
92677696014	**HAM-INW-01**	EPA 3010A	788329	EPA 6010D	788467
92677696015	**HAM-MW-57**	EPA 3010A	788329	EPA 6010D	788467
92677696001	**HAM-HGWC-18**	EPA 3005A	787489	EPA 6020B	787561
92677696002	**HAM-PT-06**	EPA 3005A	787489	EPA 6020B	787561
92677696003	**HAM-PT-05**	EPA 3005A	787489	EPA 6020B	787561
92677696004	**HAM-PT-04**	EPA 3005A	787489	EPA 6020B	787561
92677696005	**HAM-INW-02**	EPA 3005A	787489	EPA 6020B	787561
92677696006	**HAM-AP2-FD-01**	EPA 3005A	787489	EPA 6020B	787561
92677696007	**HAM-AP2-FB-01**	EPA 3005A	787489	EPA 6020B	787561
92677696008	**HAM-MW-59**	EPA 3005A	788417	EPA 6020B	788528
92677696009	**HAM-MW-33**	EPA 3005A	788417	EPA 6020B	788528
92677696010	**HAM-MW-35**	EPA 3005A	788417	EPA 6020B	788528
92677696011	**HAM-PT-03**	EPA 3005A	788417	EPA 6020B	788528
92677696012	**HAM-PT-01**	EPA 3005A	788417	EPA 6020B	788528
92677696013	**HAM-PT-02**	EPA 3005A	788417	EPA 6020B	788528
92677696014	**HAM-INW-01**	EPA 3005A	788417	EPA 6020B	788528
92677696015	**HAM-MW-57**	EPA 3005A	788417	EPA 6020B	788528
92677696001	**HAM-HGWC-18**	EPA 7470A	790376	EPA 7470A	790494
92677696002	**HAM-PT-06**	EPA 7470A	790376	EPA 7470A	790494
92677696003	**HAM-PT-05**	EPA 7470A	790376	EPA 7470A	790494

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hammond AP-2
Pace Project No.: 92677696

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92677696004	**HAM-PT-04**	EPA 7470A	790376	EPA 7470A	790494
92677696005	**HAM-INW-02**	EPA 7470A	790376	EPA 7470A	790494
92677696006	**HAM-AP2-FD-01**	EPA 7470A	790376	EPA 7470A	790494
92677696007	**HAM-AP2-FB-01**	EPA 7470A	790376	EPA 7470A	790494
92677696009	**HAM-MW-33**	EPA 7470A	790376	EPA 7470A	790494
92677696010	**HAM-MW-35**	EPA 7470A	790376	EPA 7470A	790494
92677696011	**HAM-PT-03**	EPA 7470A	790376	EPA 7470A	790494
92677696012	**HAM-PT-01**	EPA 7470A	790376	EPA 7470A	790494
92677696013	**HAM-PT-02**	EPA 7470A	790376	EPA 7470A	790494
92677696014	**HAM-INW-01**	EPA 7470A	790376	EPA 7470A	790494
92677696001	**HAM-HGWC-18**	SM 2540C-2015	787441		
92677696002	**HAM-PT-06**	SM 2540C-2015	787441		
92677696003	**HAM-PT-05**	SM 2540C-2015	787441		
92677696004	**HAM-PT-04**	SM 2540C-2015	787441		
92677696005	**HAM-INW-02**	SM 2540C-2015	787441		
92677696006	**HAM-AP2-FD-01**	SM 2540C-2015	787441		
92677696007	**HAM-AP2-FB-01**	SM 2540C-2015	787441		
92677696009	**HAM-MW-33**	SM 2540C-2015	788206		
92677696010	**HAM-MW-35**	SM 2540C-2015	788206		
92677696011	**HAM-PT-03**	SM 2540C-2015	788206		
92677696012	**HAM-PT-01**	SM 2540C-2015	788206		
92677696013	**HAM-PT-02**	SM 2540C-2015	788206		
92677696014	**HAM-INW-01**	SM 2540C-2015	788206		
92677696001	**HAM-HGWC-18**	SM 2320B-2011	788121		
92677696002	**HAM-PT-06**	SM 2320B-2011	788121		
92677696003	**HAM-PT-05**	SM 2320B-2011	788121		
92677696004	**HAM-PT-04**	SM 2320B-2011	788121		
92677696005	**HAM-INW-02**	SM 2320B-2011	788121		
92677696006	**HAM-AP2-FD-01**	SM 2320B-2011	788121		
92677696007	**HAM-AP2-FB-01**	SM 2320B-2011	788121		
92677696009	**HAM-MW-33**	SM 2320B-2011	788708		
92677696010	**HAM-MW-35**	SM 2320B-2011	788708		
92677696011	**HAM-PT-03**	SM 2320B-2011	788708		
92677696012	**HAM-PT-01**	SM 2320B-2011	788708		
92677696013	**HAM-PT-02**	SM 2320B-2011	788708		
92677696014	**HAM-INW-01**	SM 2320B-2011	788708		
92677696001	**HAM-HGWC-18**	SM 4500-S2D-2011	787902		
92677696002	**HAM-PT-06**	SM 4500-S2D-2011	787902		
92677696003	**HAM-PT-05**	SM 4500-S2D-2011	787902		
92677696004	**HAM-PT-04**	SM 4500-S2D-2011	787902		
92677696005	**HAM-INW-02**	SM 4500-S2D-2011	787902		
92677696006	**HAM-AP2-FD-01**	SM 4500-S2D-2011	787902		
92677696007	**HAM-AP2-FB-01**	SM 4500-S2D-2011	787903		
92677696009	**HAM-MW-33**	SM 4500-S2D-2011	787903		
92677696010	**HAM-MW-35**	SM 4500-S2D-2011	787903		
92677696011	**HAM-PT-03**	SM 4500-S2D-2011	787903		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hammond AP-2
Pace Project No.: 92677696

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92677696012	**HAM-PT-01**	SM 4500-S2D-2011	787903		
92677696013	**HAM-PT-02**	SM 4500-S2D-2011	787903		
92677696014	**HAM-INW-01**	SM 4500-S2D-2011	787903		
92677696001	**HAM-HGWC-18**	EPA 300.0 Rev 2.1 1993	787377		
92677696002	**HAM-PT-06**	EPA 300.0 Rev 2.1 1993	787377		
92677696003	**HAM-PT-05**	EPA 300.0 Rev 2.1 1993	787377		
92677696004	**HAM-PT-04**	EPA 300.0 Rev 2.1 1993	787377		
92677696005	**HAM-INW-02**	EPA 300.0 Rev 2.1 1993	787377		
92677696006	**HAM-AP2-FD-01**	EPA 300.0 Rev 2.1 1993	787377		
92677696007	**HAM-AP2-FB-01**	EPA 300.0 Rev 2.1 1993	787377		
92677696009	**HAM-MW-33**	EPA 300.0 Rev 2.1 1993	787928		
92677696010	**HAM-MW-35**	EPA 300.0 Rev 2.1 1993	787928		
92677696011	**HAM-PT-03**	EPA 300.0 Rev 2.1 1993	787930		
92677696012	**HAM-PT-01**	EPA 300.0 Rev 2.1 1993	787930		
92677696013	**HAM-PT-02**	EPA 300.0 Rev 2.1 1993	787930		
92677696014	**HAM-INW-01**	EPA 300.0 Rev 2.1 1993	787930		

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Pace ANALYTICAL SERVICES

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

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville ☐ **Eden** ☐ **Greenwood** ☐ **Huntersville** ☐ **Raleigh** ☐ **Mechanicsville** ☐ **Atlanta** ☑ **Kernersville** ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #: **WO# : 92677696**

92677696

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other:____

Custody Seal Present? ☑ Yes ☐ No **Seals Intact?** ☑ Yes ☐ No

Date/Initials Person Examining Contents: 7-19-23 AY

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☐ N/A

Thermometer: ☑ IR Gun ID: 214

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 6.5 **Correction Factor:** Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 6.5

Temp should be above freezing to 6°C

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

USDA Regulated Soil (☐ N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ **Date:** _____

Project Manager SRF Review: _____ **Date:** _____

Qualtrax ID: 69614

WO# : 92677696

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

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

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

*****Check all unpreserved Nitrates for chlorine**

Project #

PM: BV Due Date: 07/31/23

CLIENT: 92- GP-HAM

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

pH Adjustment Log for Preserved Samples

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

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

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of

Section A — Required Client Information:
Company: GA Power
Address: Atlanta, GA
To: SCS Contacts
Fax:
Requested Due Date/TAT: 10 Day

Section B — Required Project Information:
Report To: SCS Contacts
Copy To: Geosyntec Contacts
Task Code: HAM-CCR-CA-20230713
Purchase Order No.:
Project Name: Hammond AP-2
Project Number:

Section C — Invoice Information:
Attention: Southern Co.
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: Bonnie Vang
Pace Profile #: 10839- 16483-20

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Section D — Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

Requested Analysis Filtered (Y/N)

SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: Y/N	Full App. III and IV metals	Major Ions (10839-2)	Boron and Cobalt	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
HAM-HGWC-18	WG	G	7/[illegible]/23	0957			22	5	X		X		X			HNAc		X	X		N	92677696
HAM-PT-06	WG	G	7/14/23	1105			23	5	X		X		X			ZnAc		X	X		N	pH = 4.59
HAM-PT-05	WG	G	7/14/23	1300			24	5	X		X		X			ZnAc		X	X		N	pH = 6.09
HAM-PT-04	WG	G	7/14/23	1403			22	5	X		X		X			ZnAc		X	X		N	pH = 6.13
HAM-[illegible]W-02	WG	G	7/14/23	1457			23	5	X		X		X			ZnAc		X	X		N	pH = 6.30
HAM-AP2-FD-02	WG	G	7/14/23	0000			-	5	X		X		X			ZnAc		X	X		N	pH = 6.27
HAM-AP2-EB-02	WG	G	7/[illegible]/23	0845			-	5	X		X		X			ZnAc		X	X		N	-
																					N	-
																					N	
																					N	
																					N	
																					N	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Code: HAM-CCR-CA-20230713	Mana Reely/Geosyntec	7/17/23	1230	Ryan Williams/Pace	7/17/23	1230	
	Ryan Williams/Pace	7/17/23	1425	Left on fridge	7/17	1425	

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Mana Reely / Geosyntec Consultants, Inc
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7/17/23

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

F-ALL-Q-020rev.07, 15-Feb-2007

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

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #: WO#: 92677696

PM: BV Due Date: 07/31/23

CLIENT: 92- GP-HAM

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other: ☑ Client

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No

Date/Initials Person Examining Contents: 9-19-23

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☑ No ☐ N/A

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 7.6 Correction Factor: Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 7.6

Temp should be above freezing to 6°C

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

USDA Regulated Soil (☐ N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Qualtrax ID: 69614

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

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

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

*****Check all unpreserved Nitrates for chlorine**

Project # WO#: 92677696

PM: BV Due Date: 07/31/23

CLIENT: 92- GP-HAM

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

pH Adjustment Log for Preserved Samples

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

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

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

Section A — Required Client Information:
Company: GA Power
Address: Atlanta, GA
Email To: SCS Contacts
Phone: Fax:
Requested Due Date/TAT: 10 Day

Section B — Required Project Information:
Report To: SCS Contacts
Copy To: Geosyntec Contacts
Task Code: HAM-CCR-CA-20230713
Purchase Order No.:
Project Name: Plant Hammond AP-2
Project Number:

Section C — Invoice Information:
Attention: Southern Co.
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: Bonnie Vang
Pace Profile #: ~~10839~~ 16483-20

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER CCR
Site Location STATE: GA

Section D — Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Full App. III and IV metals	Major Ions (16699-6)	Boron and Cobalt	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
HAM-MW-59	WG	G	7/11/23	1124			13	1			X									X	N	008 pH = 4.59
HAM-MW-33	WG	G	7/11/23	0947			19	5	X		X		X			ZnAc	X	X			N	009 pH = 4.48
HAM-MW-35	WG	G	7/11/23	1129			22	5	X		X		X			ZnAc	X	X			N	010 pH = 4.93
HAM-DT-03	WG	G	7/11/23	1733			21	5	X		X		X			ZnAc	X	X			N	011 pH = 4.64
HAM-DT-01	WG	G	7/11/23	1324			22	5	X		X		X			ZnAc	X	X			N	012 pH = 4.63
HAM-DT-02	WG	G	7/11/23	1620			31	5	X		X		X			ZnAc	X	X			N	013 pH = 4.97
HAM-INW-01	WG	G	7/19/23	0931			20	5	X		X		X			ZnAc	X	X			N	014 pH = 5.18
HAM-MW-57	WG	G	7/19/23	1040			20	1			X								X		N	015 pH = 6.45
																					N	

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS
Code: HAM-CCR-CA-20230713

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Alana Nelly / Geosyntec	7/19/23	1355		7/19	1355

SAMPLE CONDITIONS: Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Alana Nelly / Geosyntec Consultants, Inc
SIGNATURE of SAMPLER: Alana Nelly DATE Signed (MM/DD/YY): 07/19/23

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

August 25, 2023

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on August 11, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

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

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

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Kip Gray, Geosyntec
Christine Hug, Geosyntec Consultants, Inc.
Whitney Law, Geosyntec Consultants
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec

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CERTIFICATIONS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315
Georgia DW Inorganics Certification #: 812
North Carolina Certification #: 381
South Carolina Certification #: 98011001
Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92682396001	**HAM-INW-01**	Water	08/09/23 13:36	08/11/23 13:12
92682396002	**HAM-INW-02**	Water	08/09/23 13:10	08/11/23 13:12
92682396003	**HAM-PT-01**	Water	08/09/23 12:13	08/11/23 13:12
92682396004	**HAM-PT-02**	Water	08/09/23 14:23	08/11/23 13:12
92682396005	**HAM-PT-03**	Water	08/09/23 10:47	08/11/23 13:12
92682396006	**HAM-PT-04**	Water	08/09/23 14:22	08/11/23 13:12
92682396007	**HAM-PT-05**	Water	08/09/23 17:39	08/11/23 13:12
92682396008	**HAM-PT-06**	Water	08/09/23 15:48	08/11/23 13:12
92682396009	**HAM-MW-55**	Water	08/09/23 18:22	08/11/23 13:12
92682396010	**HAM-MW-56**	Water	08/09/23 16:51	08/11/23 13:12
92682396011	**HAM-MW-57**	Water	08/09/23 12:28	08/11/23 13:12
92682396012	**HAM-MW-58**	Water	08/09/23 10:34	08/11/23 13:12
92682396013	**HAM-MW-59**	Water	08/09/23 16:51	08/11/23 13:12
92682396014	**HAM-AP2-FD-07**	Water	08/09/23 00:00	08/11/23 13:12
92682396015	**HAM-AP2-FB-07**	Water	08/09/23 18:10	08/11/23 13:12

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SAMPLE ANALYTE COUNT

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92682396001	**HAM-INW-01**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92682396002	**HAM-INW-02**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92682396003	**HAM-PT-01**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92682396004	**HAM-PT-02**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92682396005	**HAM-PT-03**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92682396006	**HAM-PT-04**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13

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SAMPLE ANALYTE COUNT

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92682396007	**HAM-PT-05**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92682396008	**HAM-PT-06**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92682396009	**HAM-MW-55**	EPA 6020B	CW1	2
92682396010	**HAM-MW-56**	EPA 6020B	CW1	2
92682396011	**HAM-MW-57**	EPA 6020B	CW1	2
92682396012	**HAM-MW-58**	EPA 6020B	CW1	2
92682396013	**HAM-MW-59**	EPA 6020B	CW1	2
92682396014	**HAM-AP2-FD-07**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92682396015	**HAM-AP2-FB-07**	EPA 6010D	DRB	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 300.0 Rev 2.1 1993	CDC	3

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

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92682396001	**HAM-INW-01**					
EPA 6010D	Calcium	409	mg/L	5.0	08/23/23 05:18	
EPA 6010D	Iron	12.3	mg/L	0.040	08/18/23 20:03	
EPA 6010D	Manganese	20.7	mg/L	0.040	08/18/23 20:03	
EPA 6010D	Potassium	6.2	mg/L	0.50	08/18/23 20:03	
EPA 6010D	Sodium	12.5	mg/L	1.0	08/18/23 20:03	
EPA 6010D	Magnesium	58.4	mg/L	0.050	08/18/23 20:03	
EPA 6020B	Barium	0.053	mg/L	0.0050	08/18/23 19:14	
EPA 6020B	Beryllium	0.00059	mg/L	0.00050	08/18/23 19:14	
EPA 6020B	Boron	8.0	mg/L	0.40	08/21/23 15:51	
EPA 6020B	Cobalt	0.11	mg/L	0.0050	08/18/23 19:14	
EPA 6020B	Lithium	0.0036J	mg/L	0.030	08/18/23 19:14	
EPA 6020B	Selenium	0.011	mg/L	0.0050	08/18/23 19:14	
SM 2540C-2015	Total Dissolved Solids	1890	mg/L	25.0	08/15/23 16:53	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	46.5	mg/L	5.0	08/16/23 15:19	
SM 2320B-2011	Alkalinity, Total as CaCO3	46.5	mg/L	5.0	08/16/23 15:19	
EPA 300.0 Rev 2.1 1993	Chloride	207	mg/L	16.0	08/16/23 05:14	
EPA 300.0 Rev 2.1 1993	Fluoride	0.19	mg/L	0.10	08/15/23 17:22	
EPA 300.0 Rev 2.1 1993	Sulfate	763	mg/L	16.0	08/16/23 05:14	
92682396002	**HAM-INW-02**					
EPA 6010D	Calcium	306	mg/L	5.0	08/23/23 05:34	
EPA 6010D	Iron	9.4	mg/L	0.040	08/18/23 20:08	
EPA 6010D	Manganese	13.3	mg/L	0.040	08/18/23 20:08	
EPA 6010D	Potassium	6.6	mg/L	0.50	08/18/23 20:08	
EPA 6010D	Sodium	12.9	mg/L	1.0	08/18/23 20:08	
EPA 6010D	Magnesium	27.0	mg/L	0.050	08/18/23 20:08	
EPA 6020B	Arsenic	0.0054J	mg/L	0.010	08/18/23 19:18	
EPA 6020B	Barium	0.042	mg/L	0.0050	08/18/23 19:18	
EPA 6020B	Boron	6.3	mg/L	0.40	08/21/23 15:57	
EPA 6020B	Cobalt	0.050	mg/L	0.0050	08/18/23 19:18	
EPA 6020B	Lithium	0.0038J	mg/L	0.030	08/18/23 19:18	
EPA 6020B	Thallium	0.00045J	mg/L	0.0010	08/18/23 19:18	
SM 2540C-2015	Total Dissolved Solids	1350	mg/L	25.0	08/15/23 16:55	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	166	mg/L	5.0	08/16/23 15:26	
SM 2320B-2011	Alkalinity, Total as CaCO3	166	mg/L	5.0	08/16/23 15:26	
EPA 300.0 Rev 2.1 1993	Chloride	135	mg/L	10.0	08/16/23 05:28	
EPA 300.0 Rev 2.1 1993	Sulfate	457	mg/L	10.0	08/16/23 05:28	
92682396003	**HAM-PT-01**					
EPA 6010D	Calcium	326	mg/L	5.0	08/23/23 05:39	
EPA 6010D	Manganese	10.3	mg/L	0.040	08/18/23 20:14	
EPA 6010D	Potassium	6.5	mg/L	0.50	08/18/23 20:14	
EPA 6010D	Sodium	10.6	mg/L	1.0	08/18/23 20:14	
EPA 6010D	Magnesium	39.0	mg/L	0.050	08/18/23 20:14	
EPA 6020B	Arsenic	0.0052J	mg/L	0.010	08/18/23 19:21	
EPA 6020B	Barium	0.037	mg/L	0.0050	08/18/23 19:21	
EPA 6020B	Beryllium	0.0021	mg/L	0.00050	08/18/23 19:21	
EPA 6020B	Boron	7.9	mg/L	0.20	08/21/23 16:03	

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

SUMMARY OF DETECTION

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92682396003	**HAM-PT-01**					
EPA 6020B	Cadmium	0.0010	mg/L	0.00050	08/18/23 19:21	
EPA 6020B	Cobalt	0.11	mg/L	0.0050	08/18/23 19:21	
EPA 6020B	Lithium	0.0039J	mg/L	0.030	08/18/23 19:21	
EPA 6020B	Selenium	0.020	mg/L	0.0050	08/18/23 19:21	
EPA 7470A	Mercury	0.00014J	mg/L	0.00020	08/15/23 16:25	
SM 2540C-2015	Total Dissolved Solids	1820	mg/L	25.0	08/15/23 16:55	
EPA 300.0 Rev 2.1 1993	Chloride	141	mg/L	16.0	08/16/23 06:11	M1
EPA 300.0 Rev 2.1 1993	Fluoride	0.56	mg/L	0.10	08/15/23 17:51	
EPA 300.0 Rev 2.1 1993	Sulfate	762	mg/L	16.0	08/16/23 06:11	M1
92682396004	**HAM-PT-02**					
EPA 6010D	Iron	0.39	mg/L	0.040	08/18/23 20:19	
EPA 6010D	Manganese	11.5	mg/L	0.040	08/18/23 20:19	
EPA 6010D	Potassium	6.5	mg/L	0.50	08/18/23 20:19	
EPA 6010D	Sodium	9.8	mg/L	1.0	08/18/23 20:19	
EPA 6010D	Magnesium	37.2	mg/L	0.050	08/18/23 20:19	
EPA 6010D	Calcium	276	mg/L	5.0	08/23/23 05:44	
EPA 6020B	Arsenic	0.0051J	mg/L	0.010	08/18/23 19:33	
EPA 6020B	Barium	0.045	mg/L	0.0050	08/18/23 19:33	
EPA 6020B	Beryllium	0.0022	mg/L	0.00050	08/18/23 19:33	
EPA 6020B	Boron	8.4	mg/L	0.20	08/21/23 16:08	
EPA 6020B	Cadmium	0.00092	mg/L	0.00050	08/18/23 19:33	
EPA 6020B	Cobalt	0.13	mg/L	0.0050	08/18/23 19:33	
EPA 6020B	Lead	0.00071J	mg/L	0.0050	08/21/23 16:08	D3
EPA 6020B	Lithium	0.0043J	mg/L	0.030	08/18/23 19:33	
EPA 6020B	Selenium	0.021	mg/L	0.0050	08/18/23 19:33	
SM 2540C-2015	Total Dissolved Solids	1800	mg/L	25.0	08/15/23 16:55	
EPA 300.0 Rev 2.1 1993	Chloride	138	mg/L	17.0	08/16/23 06:54	
EPA 300.0 Rev 2.1 1993	Fluoride	0.67	mg/L	0.10	08/15/23 19:03	
EPA 300.0 Rev 2.1 1993	Sulfate	767	mg/L	17.0	08/16/23 06:54	
92682396005	**HAM-PT-03**					
EPA 6010D	Iron	0.59	mg/L	0.040	08/18/23 20:24	
EPA 6010D	Manganese	7.5	mg/L	0.040	08/18/23 20:24	
EPA 6010D	Potassium	6.6	mg/L	0.50	08/18/23 20:24	
EPA 6010D	Sodium	14.7	mg/L	1.0	08/18/23 20:24	
EPA 6010D	Magnesium	35.1	mg/L	0.050	08/18/23 20:24	
EPA 6010D	Calcium	360	mg/L	5.0	08/23/23 20:31	
EPA 6020B	Arsenic	0.0056J	mg/L	0.010	08/18/23 19:40	
EPA 6020B	Barium	0.021	mg/L	0.0050	08/18/23 19:40	
EPA 6020B	Beryllium	0.0024	mg/L	0.00050	08/18/23 19:40	
EPA 6020B	Boron	8.7	mg/L	0.20	08/21/23 16:14	
EPA 6020B	Cadmium	0.00055	mg/L	0.00050	08/18/23 19:40	
EPA 6020B	Cobalt	0.11	mg/L	0.0050	08/18/23 19:40	
EPA 6020B	Lead	0.0020J	mg/L	0.0050	08/21/23 16:14	D3
EPA 6020B	Lithium	0.0023J	mg/L	0.030	08/18/23 19:40	
EPA 6020B	Selenium	0.021	mg/L	0.0050	08/18/23 19:40	
SM 2540C-2015	Total Dissolved Solids	1750	mg/L	25.0	08/15/23 16:55	

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SUMMARY OF DETECTION

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92682396005	**HAM-PT-03**					
EPA 300.0 Rev 2.1 1993	Chloride	113	mg/L	17.0	08/16/23 07:08	
EPA 300.0 Rev 2.1 1993	Fluoride	0.77	mg/L	0.10	08/15/23 19:18	
EPA 300.0 Rev 2.1 1993	Sulfate	778	mg/L	17.0	08/16/23 07:08	
92682396006	**HAM-PT-04**					
EPA 6010D	Calcium	287	mg/L	5.0	08/23/23 20:41	
EPA 6010D	Iron	13.2	mg/L	0.040	08/18/23 20:29	
EPA 6010D	Manganese	17.0	mg/L	0.040	08/18/23 20:29	
EPA 6010D	Potassium	7.6	mg/L	0.50	08/18/23 20:29	
EPA 6010D	Sodium	11.4	mg/L	1.0	08/18/23 20:29	
EPA 6010D	Magnesium	24.3	mg/L	0.050	08/18/23 20:29	
EPA 6020B	Arsenic	0.0081J	mg/L	0.010	08/18/23 19:44	
EPA 6020B	Barium	0.039	mg/L	0.0050	08/18/23 19:44	
EPA 6020B	Boron	7.8	mg/L	0.40	08/21/23 16:20	
EPA 6020B	Cobalt	0.056	mg/L	0.0050	08/18/23 19:44	
EPA 6020B	Lithium	0.0047J	mg/L	0.030	08/18/23 19:44	
EPA 6020B	Thallium	0.00027J	mg/L	0.0010	08/18/23 19:44	
SM 2540C-2015	Total Dissolved Solids	1320	mg/L	25.0	08/15/23 16:55	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	168	mg/L	5.0	08/16/23 14:27	
SM 2320B-2011	Alkalinity, Total as CaCO3	168	mg/L	5.0	08/16/23 14:27	
SM 4500-S2D-2011	Sulfide	0.031J	mg/L	0.10	08/15/23 06:27	
EPA 300.0 Rev 2.1 1993	Chloride	132	mg/L	10.0	08/16/23 07:22	
EPA 300.0 Rev 2.1 1993	Sulfate	458	mg/L	10.0	08/16/23 07:22	
92682396007	**HAM-PT-05**					
EPA 6010D	Calcium	370	mg/L	5.0	08/23/23 06:00	
EPA 6010D	Iron	1.6	mg/L	0.040	08/18/23 20:34	
EPA 6010D	Manganese	10.7	mg/L	0.040	08/18/23 20:34	
EPA 6010D	Potassium	5.0	mg/L	0.50	08/18/23 20:34	
EPA 6010D	Sodium	11.8	mg/L	1.0	08/18/23 20:34	
EPA 6010D	Magnesium	26.5	mg/L	0.050	08/18/23 20:34	
EPA 6020B	Barium	0.040	mg/L	0.0050	08/18/23 19:47	
EPA 6020B	Boron	7.2	mg/L	0.40	08/21/23 16:39	
EPA 6020B	Cobalt	0.039	mg/L	0.0050	08/18/23 19:47	
EPA 6020B	Lithium	0.0049J	mg/L	0.030	08/18/23 19:47	
SM 2540C-2015	Total Dissolved Solids	1480	mg/L	25.0	08/15/23 16:55	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	150	mg/L	5.0	08/16/23 14:39	
SM 2320B-2011	Alkalinity, Total as CaCO3	150	mg/L	5.0	08/16/23 14:39	
EPA 300.0 Rev 2.1 1993	Chloride	145	mg/L	10.0	08/16/23 07:36	
EPA 300.0 Rev 2.1 1993	Sulfate	479	mg/L	10.0	08/16/23 07:36	
92682396008	**HAM-PT-06**					
EPA 6010D	Calcium	300	mg/L	5.0	08/23/23 06:05	
EPA 6010D	Iron	5.8	mg/L	0.040	08/18/23 20:48	
EPA 6010D	Manganese	17.4	mg/L	0.040	08/18/23 20:48	
EPA 6010D	Potassium	7.3	mg/L	0.50	08/18/23 20:48	
EPA 6010D	Sodium	15.3	mg/L	1.0	08/18/23 20:48	
EPA 6010D	Magnesium	26.1	mg/L	0.050	08/18/23 20:48	
EPA 6020B	Barium	0.032	mg/L	0.0050	08/18/23 19:51	

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SUMMARY OF DETECTION

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92682396008	**HAM-PT-06**					
EPA 6020B	Boron	7.2	mg/L	0.40	08/21/23 16:45	
EPA 6020B	Cadmium	0.00025J	mg/L	0.00050	08/18/23 19:51	
EPA 6020B	Cobalt	0.058	mg/L	0.0050	08/18/23 19:51	
EPA 6020B	Lithium	0.0055J	mg/L	0.030	08/18/23 19:51	
EPA 6020B	Thallium	0.00064J	mg/L	0.0010	08/18/23 19:51	
SM 2540C-2015	Total Dissolved Solids	1420	mg/L	25.0	08/15/23 16:55	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	144	mg/L	5.0	08/16/23 14:51	
SM 2320B-2011	Alkalinity, Total as CaCO3	144	mg/L	5.0	08/16/23 14:51	
EPA 300.0 Rev 2.1 1993	Chloride	140	mg/L	10.0	08/16/23 07:50	
EPA 300.0 Rev 2.1 1993	Sulfate	473	mg/L	10.0	08/16/23 07:50	
92682396009	**HAM-MW-55**					
EPA 6020B	Boron	3.1	mg/L	0.40	08/23/23 18:31	
EPA 6020B	Cobalt	0.0044J	mg/L	0.0050	08/22/23 15:12	
92682396010	**HAM-MW-56**					
EPA 6020B	Boron	10.1	mg/L	0.40	08/23/23 18:37	M1
EPA 6020B	Cobalt	0.21	mg/L	0.0050	08/22/23 15:16	
92682396011	**HAM-MW-57**					
EPA 6020B	Boron	8.5	mg/L	0.40	08/23/23 18:55	
EPA 6020B	Cobalt	0.030	mg/L	0.0050	08/22/23 15:31	
92682396012	**HAM-MW-58**					
EPA 6020B	Boron	4.0	mg/L	0.40	08/23/23 19:01	
EPA 6020B	Cobalt	0.098	mg/L	0.0050	08/22/23 15:34	
92682396013	**HAM-MW-59**					
EPA 6020B	Boron	9.5	mg/L	0.40	08/23/23 19:07	
EPA 6020B	Cobalt	0.16	mg/L	0.0050	08/22/23 15:38	
92682396014	**HAM-AP2-FD-07**					
EPA 6010D	Iron	13.9	mg/L	0.040	08/18/23 20:53	
EPA 6010D	Manganese	17.7	mg/L	0.040	08/18/23 20:53	
EPA 6010D	Potassium	8.0	mg/L	0.50	08/18/23 20:53	
EPA 6010D	Sodium	12.2	mg/L	1.0	08/18/23 20:53	
EPA 6010D	Magnesium	25.3	mg/L	0.050	08/18/23 20:53	
EPA 6010D	Calcium	310	mg/L	5.0	08/23/23 06:10	
EPA 6020B	Arsenic	0.0088J	mg/L	0.010	08/22/23 16:24	
EPA 6020B	Barium	0.041	mg/L	0.0050	08/22/23 16:24	
EPA 6020B	Boron	7.7	mg/L	0.40	08/23/23 19:13	
EPA 6020B	Cobalt	0.058	mg/L	0.0050	08/22/23 16:24	
EPA 6020B	Lithium	0.0047J	mg/L	0.030	08/22/23 16:24	
EPA 6020B	Thallium	0.00024J	mg/L	0.0010	08/22/23 16:24	
SM 2540C-2015	Total Dissolved Solids	1460	mg/L	25.0	08/15/23 16:56	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	170	mg/L	5.0	08/16/23 15:03	
SM 2320B-2011	Alkalinity, Total as CaCO3	170	mg/L	5.0	08/16/23 15:03	
SM 4500-S2D-2011	Sulfide	0.032J	mg/L	0.10	08/15/23 06:28	
EPA 300.0 Rev 2.1 1993	Chloride	132	mg/L	10.0	08/16/23 08:05	
EPA 300.0 Rev 2.1 1993	Sulfate	454	mg/L	10.0	08/16/23 08:05	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-INW-01 **Lab ID: 92682396001** Collected: 08/09/23 13:36 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**409**	mg/L	5.0	0.61	5	08/18/23 10:36	08/23/23 05:18	7440-70-2	
Iron	**12.3**	mg/L	0.040	0.025	1	08/18/23 10:36	08/18/23 20:03	7439-89-6	
Manganese	**20.7**	mg/L	0.040	0.011	1	08/18/23 10:36	08/18/23 20:03	7439-96-5	
Potassium	**6.2**	mg/L	0.50	0.15	1	08/18/23 10:36	08/18/23 20:03	7440-09-7	
Sodium	**12.5**	mg/L	1.0	0.58	1	08/18/23 10:36	08/18/23 20:03	7440-23-5	
Magnesium	**58.4**	mg/L	0.050	0.012	1	08/18/23 10:36	08/18/23 20:03	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/16/23 10:27	08/18/23 19:14	7440-36-0	
Arsenic	ND	mg/L	0.010	0.0037	1	08/16/23 10:27	08/18/23 19:14	7440-38-2	
Barium	**0.053**	mg/L	0.0050	0.00067	1	08/16/23 10:27	08/18/23 19:14	7440-39-3	
Beryllium	**0.00059**	mg/L	0.00050	0.000054	1	08/16/23 10:27	08/18/23 19:14	7440-41-7	
Boron	**8.0**	mg/L	0.40	0.086	10	08/16/23 10:27	08/21/23 15:51	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/16/23 10:27	08/18/23 19:14	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/16/23 10:27	08/18/23 19:14	7440-47-3	
Cobalt	**0.11**	mg/L	0.0050	0.00039	1	08/16/23 10:27	08/18/23 19:14	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/16/23 10:27	08/18/23 19:14	7439-92-1	
Lithium	**0.0036J**	mg/L	0.030	0.00073	1	08/16/23 10:27	08/18/23 19:14	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/16/23 10:27	08/18/23 19:14	7439-98-7	
Selenium	**0.011**	mg/L	0.0050	0.0014	1	08/16/23 10:27	08/18/23 19:14	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/16/23 10:27	08/18/23 19:14	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 11:30	08/15/23 16:20	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1890**	mg/L	25.0	25.0	1		08/15/23 16:53		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**46.5**	mg/L	5.0	5.0	1		08/16/23 15:19		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 15:19		
Alkalinity, Total as CaCO3	**46.5**	mg/L	5.0	5.0	1		08/16/23 15:19		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/15/23 06:21	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**207**	mg/L	16.0	9.6	16		08/16/23 05:14	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-INW-01 **Lab ID: 92682396001** Collected: 08/09/23 13:36 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.19**	mg/L	0.10	0.050	1		08/15/23 17:22	16984-48-8	
Sulfate	**763**	mg/L	16.0	8.0	16		08/16/23 05:14	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-INW-02 **Lab ID: 92682396002** Collected: 08/09/23 13:10 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**306**	mg/L	5.0	0.61	5	08/18/23 10:36	08/23/23 05:34	7440-70-2	
Iron	**9.4**	mg/L	0.040	0.025	1	08/18/23 10:36	08/18/23 20:08	7439-89-6	
Manganese	**13.3**	mg/L	0.040	0.011	1	08/18/23 10:36	08/18/23 20:08	7439-96-5	
Potassium	**6.6**	mg/L	0.50	0.15	1	08/18/23 10:36	08/18/23 20:08	7440-09-7	
Sodium	**12.9**	mg/L	1.0	0.58	1	08/18/23 10:36	08/18/23 20:08	7440-23-5	
Magnesium	**27.0**	mg/L	0.050	0.012	1	08/18/23 10:36	08/18/23 20:08	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/16/23 10:27	08/18/23 19:18	7440-36-0	
Arsenic	**0.0054J**	mg/L	0.010	0.0037	1	08/16/23 10:27	08/18/23 19:18	7440-38-2	
Barium	**0.042**	mg/L	0.0050	0.00067	1	08/16/23 10:27	08/18/23 19:18	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/16/23 10:27	08/18/23 19:18	7440-41-7	
Boron	**6.3**	mg/L	0.40	0.086	10	08/16/23 10:27	08/21/23 15:57	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/16/23 10:27	08/18/23 19:18	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/16/23 10:27	08/18/23 19:18	7440-47-3	
Cobalt	**0.050**	mg/L	0.0050	0.00039	1	08/16/23 10:27	08/18/23 19:18	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/16/23 10:27	08/18/23 19:18	7439-92-1	
Lithium	**0.0038J**	mg/L	0.030	0.00073	1	08/16/23 10:27	08/18/23 19:18	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/16/23 10:27	08/18/23 19:18	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/16/23 10:27	08/18/23 19:18	7782-49-2	
Thallium	**0.00045J**	mg/L	0.0010	0.00018	1	08/16/23 10:27	08/18/23 19:18	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 11:30	08/15/23 16:22	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1350**	mg/L	25.0	25.0	1		08/15/23 16:55		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**166**	mg/L	5.0	5.0	1		08/16/23 15:26		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 15:26		
Alkalinity, Total as CaCO3	**166**	mg/L	5.0	5.0	1		08/16/23 15:26		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/15/23 06:22	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**135**	mg/L	10.0	6.0	10		08/16/23 05:28	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-INW-02 **Lab ID: 92682396002** Collected: 08/09/23 13:10 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		08/15/23 17:37	16984-48-8	
Sulfate	**457**	mg/L	10.0	5.0	10		08/16/23 05:28	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-PT-01 **Lab ID: 92682396003** Collected: 08/09/23 12:13 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**326**	mg/L	5.0	0.61	5	08/18/23 10:36	08/23/23 05:39	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	08/18/23 10:36	08/18/23 20:14	7439-89-6	
Manganese	**10.3**	mg/L	0.040	0.011	1	08/18/23 10:36	08/18/23 20:14	7439-96-5	
Potassium	**6.5**	mg/L	0.50	0.15	1	08/18/23 10:36	08/18/23 20:14	7440-09-7	
Sodium	**10.6**	mg/L	1.0	0.58	1	08/18/23 10:36	08/18/23 20:14	7440-23-5	
Magnesium	**39.0**	mg/L	0.050	0.012	1	08/18/23 10:36	08/18/23 20:14	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/16/23 10:27	08/18/23 19:21	7440-36-0	
Arsenic	**0.0052J**	mg/L	0.010	0.0037	1	08/16/23 10:27	08/18/23 19:21	7440-38-2	
Barium	**0.037**	mg/L	0.0050	0.00067	1	08/16/23 10:27	08/18/23 19:21	7440-39-3	
Beryllium	**0.0021**	mg/L	0.00050	0.000054	1	08/16/23 10:27	08/18/23 19:21	7440-41-7	
Boron	**7.9**	mg/L	0.20	0.043	5	08/16/23 10:27	08/21/23 16:03	7440-42-8	
Cadmium	**0.0010**	mg/L	0.00050	0.00011	1	08/16/23 10:27	08/18/23 19:21	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/16/23 10:27	08/18/23 19:21	7440-47-3	
Cobalt	**0.11**	mg/L	0.0050	0.00039	1	08/16/23 10:27	08/18/23 19:21	7440-48-4	
Lead	ND	mg/L	0.0050	0.00060	5	08/16/23 10:27	08/21/23 16:03	7439-92-1	D3
Lithium	**0.0039J**	mg/L	0.030	0.00073	1	08/16/23 10:27	08/18/23 19:21	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/16/23 10:27	08/18/23 19:21	7439-98-7	
Selenium	**0.020**	mg/L	0.0050	0.0014	1	08/16/23 10:27	08/18/23 19:21	7782-49-2	
Thallium	ND	mg/L	0.0050	0.00090	5	08/16/23 10:27	08/21/23 16:03	7440-28-0	D3
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	**0.00014J**	mg/L	0.00020	0.00013	1	08/15/23 11:30	08/15/23 16:25	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1820**	mg/L	25.0	25.0	1		08/15/23 16:55		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 15:37		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 15:37		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/16/23 15:37		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/15/23 06:22	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**141**	mg/L	16.0	9.6	16		08/16/23 06:11	16887-00-6	M1

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-PT-01 **Lab ID: 92682396003** Collected: 08/09/23 12:13 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.56**	mg/L	0.10	0.050	1		08/15/23 17:51	16984-48-8	
Sulfate	**762**	mg/L	16.0	8.0	16		08/16/23 06:11	14808-79-8	M1

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-PT-02 **Lab ID: 92682396004** Collected: 08/09/23 14:23 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**0.39**	mg/L	0.040	0.025	1	08/18/23 10:36	08/18/23 20:19	7439-89-6	
Manganese	**11.5**	mg/L	0.040	0.011	1	08/18/23 10:36	08/18/23 20:19	7439-96-5	
Potassium	**6.5**	mg/L	0.50	0.15	1	08/18/23 10:36	08/18/23 20:19	7440-09-7	
Sodium	**9.8**	mg/L	1.0	0.58	1	08/18/23 10:36	08/18/23 20:19	7440-23-5	
Magnesium	**37.2**	mg/L	0.050	0.012	1	08/18/23 10:36	08/18/23 20:19	7439-95-4	
Calcium	**276**	mg/L	5.0	0.61	5	08/18/23 10:36	08/23/23 05:44	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/16/23 10:27	08/18/23 19:33	7440-36-0	
Arsenic	**0.0051J**	mg/L	0.010	0.0037	1	08/16/23 10:27	08/18/23 19:33	7440-38-2	
Barium	**0.045**	mg/L	0.0050	0.00067	1	08/16/23 10:27	08/18/23 19:33	7440-39-3	
Beryllium	**0.0022**	mg/L	0.00050	0.000054	1	08/16/23 10:27	08/18/23 19:33	7440-41-7	
Boron	**8.4**	mg/L	0.20	0.043	5	08/16/23 10:27	08/21/23 16:08	7440-42-8	
Cadmium	**0.00092**	mg/L	0.00050	0.00011	1	08/16/23 10:27	08/18/23 19:33	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/16/23 10:27	08/18/23 19:33	7440-47-3	
Cobalt	**0.13**	mg/L	0.0050	0.00039	1	08/16/23 10:27	08/18/23 19:33	7440-48-4	
Lead	**0.00071J**	mg/L	0.0050	0.00060	5	08/16/23 10:27	08/21/23 16:08	7439-92-1	D3
Lithium	**0.0043J**	mg/L	0.030	0.00073	1	08/16/23 10:27	08/18/23 19:33	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/16/23 10:27	08/18/23 19:33	7439-98-7	
Selenium	**0.021**	mg/L	0.0050	0.0014	1	08/16/23 10:27	08/18/23 19:33	7782-49-2	
Thallium	ND	mg/L	0.0050	0.00090	5	08/16/23 10:27	08/21/23 16:08	7440-28-0	D3
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 11:30	08/15/23 16:28	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1800**	mg/L	25.0	25.0	1		08/15/23 16:55		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 15:53		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 15:53		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/16/23 15:53		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/15/23 06:23	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**138**	mg/L	17.0	10.2	17		08/16/23 06:54	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-PT-02 **Lab ID: 92682396004** Collected: 08/09/23 14:23 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.67**	mg/L	0.10	0.050	1		08/15/23 19:03	16984-48-8	
Sulfate	**767**	mg/L	17.0	8.5	17		08/16/23 06:54	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-PT-03 **Lab ID: 92682396005** Collected: 08/09/23 10:47 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**0.59**	mg/L	0.040	0.025	1	08/18/23 10:36	08/18/23 20:24	7439-89-6	
Manganese	**7.5**	mg/L	0.040	0.011	1	08/18/23 10:36	08/18/23 20:24	7439-96-5	
Potassium	**6.6**	mg/L	0.50	0.15	1	08/18/23 10:36	08/18/23 20:24	7440-09-7	
Sodium	**14.7**	mg/L	1.0	0.58	1	08/18/23 10:36	08/18/23 20:24	7440-23-5	
Magnesium	**35.1**	mg/L	0.050	0.012	1	08/18/23 10:36	08/18/23 20:24	7439-95-4	
Calcium	**360**	mg/L	5.0	0.61	5	08/18/23 10:36	08/23/23 20:31	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/16/23 10:27	08/18/23 19:40	7440-36-0	
Arsenic	**0.0056J**	mg/L	0.010	0.0037	1	08/16/23 10:27	08/18/23 19:40	7440-38-2	
Barium	**0.021**	mg/L	0.0050	0.00067	1	08/16/23 10:27	08/18/23 19:40	7440-39-3	
Beryllium	**0.0024**	mg/L	0.00050	0.000054	1	08/16/23 10:27	08/18/23 19:40	7440-41-7	
Boron	**8.7**	mg/L	0.20	0.043	5	08/16/23 10:27	08/21/23 16:14	7440-42-8	
Cadmium	**0.00055**	mg/L	0.00050	0.00011	1	08/16/23 10:27	08/18/23 19:40	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/16/23 10:27	08/18/23 19:40	7440-47-3	
Cobalt	**0.11**	mg/L	0.0050	0.00039	1	08/16/23 10:27	08/18/23 19:40	7440-48-4	
Lead	**0.0020J**	mg/L	0.0050	0.00060	5	08/16/23 10:27	08/21/23 16:14	7439-92-1	D3
Lithium	**0.0023J**	mg/L	0.030	0.00073	1	08/16/23 10:27	08/18/23 19:40	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/16/23 10:27	08/18/23 19:40	7439-98-7	
Selenium	**0.021**	mg/L	0.0050	0.0014	1	08/16/23 10:27	08/18/23 19:40	7782-49-2	
Thallium	ND	mg/L	0.0050	0.00090	5	08/16/23 10:27	08/21/23 16:14	7440-28-0	D3
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 11:30	08/15/23 16:35	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1750**	mg/L	25.0	25.0	1		08/15/23 16:55		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 16:16		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 16:16		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/16/23 16:16		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/15/23 06:25	18496-25-8	R1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**113**	mg/L	17.0	10.2	17		08/16/23 07:08	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-PT-03 **Lab ID: 92682396005** Collected: 08/09/23 10:47 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.77**	mg/L	0.10	0.050	1		08/15/23 19:18	16984-48-8	
Sulfate	**778**	mg/L	17.0	8.5	17		08/16/23 07:08	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-PT-04 **Lab ID: 92682396006** Collected: 08/09/23 14:22 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**287**	mg/L	5.0	0.61	5	08/18/23 10:36	08/23/23 20:41	7440-70-2	
Iron	**13.2**	mg/L	0.040	0.025	1	08/18/23 10:36	08/18/23 20:29	7439-89-6	
Manganese	**17.0**	mg/L	0.040	0.011	1	08/18/23 10:36	08/18/23 20:29	7439-96-5	
Potassium	**7.6**	mg/L	0.50	0.15	1	08/18/23 10:36	08/18/23 20:29	7440-09-7	
Sodium	**11.4**	mg/L	1.0	0.58	1	08/18/23 10:36	08/18/23 20:29	7440-23-5	
Magnesium	**24.3**	mg/L	0.050	0.012	1	08/18/23 10:36	08/18/23 20:29	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/16/23 10:27	08/18/23 19:44	7440-36-0	
Arsenic	**0.0081J**	mg/L	0.010	0.0037	1	08/16/23 10:27	08/18/23 19:44	7440-38-2	
Barium	**0.039**	mg/L	0.0050	0.00067	1	08/16/23 10:27	08/18/23 19:44	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/16/23 10:27	08/18/23 19:44	7440-41-7	
Boron	**7.8**	mg/L	0.40	0.086	10	08/16/23 10:27	08/21/23 16:20	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/16/23 10:27	08/18/23 19:44	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/16/23 10:27	08/18/23 19:44	7440-47-3	
Cobalt	**0.056**	mg/L	0.0050	0.00039	1	08/16/23 10:27	08/18/23 19:44	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/16/23 10:27	08/18/23 19:44	7439-92-1	
Lithium	**0.0047J**	mg/L	0.030	0.00073	1	08/16/23 10:27	08/18/23 19:44	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/16/23 10:27	08/18/23 19:44	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/16/23 10:27	08/18/23 19:44	7782-49-2	
Thallium	**0.00027J**	mg/L	0.0010	0.00018	1	08/16/23 10:27	08/18/23 19:44	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 11:30	08/15/23 16:38	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1320**	mg/L	25.0	25.0	1		08/15/23 16:55		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**168**	mg/L	5.0	5.0	1		08/16/23 14:27		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 14:27		
Alkalinity, Total as CaCO3	**168**	mg/L	5.0	5.0	1		08/16/23 14:27		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**0.031J**	mg/L	0.10	0.022	1		08/15/23 06:27	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**132**	mg/L	10.0	6.0	10		08/16/23 07:22	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-PT-04 **Lab ID: 92682396006** Collected: 08/09/23 14:22 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		08/15/23 19:32	16984-48-8	
Sulfate	**458**	mg/L	10.0	5.0	10		08/16/23 07:22	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-PT-05 **Lab ID: 92682396007** Collected: 08/09/23 17:39 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**370**	mg/L	5.0	0.61	5	08/18/23 10:36	08/23/23 06:00	7440-70-2	
Iron	**1.6**	mg/L	0.040	0.025	1	08/18/23 10:36	08/18/23 20:34	7439-89-6	
Manganese	**10.7**	mg/L	0.040	0.011	1	08/18/23 10:36	08/18/23 20:34	7439-96-5	
Potassium	**5.0**	mg/L	0.50	0.15	1	08/18/23 10:36	08/18/23 20:34	7440-09-7	
Sodium	**11.8**	mg/L	1.0	0.58	1	08/18/23 10:36	08/18/23 20:34	7440-23-5	
Magnesium	**26.5**	mg/L	0.050	0.012	1	08/18/23 10:36	08/18/23 20:34	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/16/23 10:27	08/18/23 19:47	7440-36-0	
Arsenic	ND	mg/L	0.010	0.0037	1	08/16/23 10:27	08/18/23 19:47	7440-38-2	
Barium	**0.040**	mg/L	0.0050	0.00067	1	08/16/23 10:27	08/18/23 19:47	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/16/23 10:27	08/18/23 19:47	7440-41-7	
Boron	**7.2**	mg/L	0.40	0.086	10	08/16/23 10:27	08/21/23 16:39	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/16/23 10:27	08/18/23 19:47	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/16/23 10:27	08/18/23 19:47	7440-47-3	
Cobalt	**0.039**	mg/L	0.0050	0.00039	1	08/16/23 10:27	08/18/23 19:47	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/16/23 10:27	08/18/23 19:47	7439-92-1	
Lithium	**0.0049J**	mg/L	0.030	0.00073	1	08/16/23 10:27	08/18/23 19:47	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/16/23 10:27	08/18/23 19:47	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/16/23 10:27	08/18/23 19:47	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/16/23 10:27	08/18/23 19:47	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 11:30	08/15/23 16:41	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1480**	mg/L	25.0	25.0	1		08/15/23 16:55		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**150**	mg/L	5.0	5.0	1		08/16/23 14:39		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 14:39		
Alkalinity, Total as CaCO3	**150**	mg/L	5.0	5.0	1		08/16/23 14:39		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/15/23 06:27	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**145**	mg/L	10.0	6.0	10		08/16/23 07:36	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-PT-05 **Lab ID: 92682396007** Collected: 08/09/23 17:39 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		08/15/23 19:47	16984-48-8	
Sulfate	**479**	mg/L	10.0	5.0	10		08/16/23 07:36	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-PT-06 **Lab ID: 92682396008** Collected: 08/09/23 15:48 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**300**	mg/L	5.0	0.61	5	08/18/23 10:36	08/23/23 06:05	7440-70-2	
Iron	**5.8**	mg/L	0.040	0.025	1	08/18/23 10:36	08/18/23 20:48	7439-89-6	
Manganese	**17.4**	mg/L	0.040	0.011	1	08/18/23 10:36	08/18/23 20:48	7439-96-5	
Potassium	**7.3**	mg/L	0.50	0.15	1	08/18/23 10:36	08/18/23 20:48	7440-09-7	
Sodium	**15.3**	mg/L	1.0	0.58	1	08/18/23 10:36	08/18/23 20:48	7440-23-5	
Magnesium	**26.1**	mg/L	0.050	0.012	1	08/18/23 10:36	08/18/23 20:48	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/16/23 10:27	08/18/23 19:51	7440-36-0	
Arsenic	ND	mg/L	0.010	0.0037	1	08/16/23 10:27	08/18/23 19:51	7440-38-2	
Barium	**0.032**	mg/L	0.0050	0.00067	1	08/16/23 10:27	08/18/23 19:51	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/16/23 10:27	08/18/23 19:51	7440-41-7	
Boron	**7.2**	mg/L	0.40	0.086	10	08/16/23 10:27	08/21/23 16:45	7440-42-8	
Cadmium	**0.00025J**	mg/L	0.00050	0.00011	1	08/16/23 10:27	08/18/23 19:51	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/16/23 10:27	08/18/23 19:51	7440-47-3	
Cobalt	**0.058**	mg/L	0.0050	0.00039	1	08/16/23 10:27	08/18/23 19:51	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/16/23 10:27	08/18/23 19:51	7439-92-1	
Lithium	**0.0055J**	mg/L	0.030	0.00073	1	08/16/23 10:27	08/18/23 19:51	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/16/23 10:27	08/18/23 19:51	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/16/23 10:27	08/18/23 19:51	7782-49-2	
Thallium	**0.00064J**	mg/L	0.0010	0.00018	1	08/16/23 10:27	08/18/23 19:51	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 11:30	08/15/23 16:43	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1420**	mg/L	25.0	25.0	1		08/15/23 16:55		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**144**	mg/L	5.0	5.0	1		08/16/23 14:51		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 14:51		
Alkalinity, Total as CaCO3	**144**	mg/L	5.0	5.0	1		08/16/23 14:51		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/15/23 06:27	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**140**	mg/L	10.0	6.0	10		08/16/23 07:50	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-PT-06 **Lab ID: 92682396008** Collected: 08/09/23 15:48 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		08/15/23 20:01	16984-48-8	
Sulfate	**473**	mg/L	10.0	5.0	10		08/16/23 07:50	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-MW-55 **Lab ID: 92682396009** Collected: 08/09/23 18:22 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Boron	**3.1**	mg/L	0.40	0.086	10	08/16/23 14:27	08/23/23 18:31	7440-42-8	
Cobalt	**0.0044J**	mg/L	0.0050	0.00039	1	08/16/23 14:27	08/22/23 15:12	7440-48-4	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-MW-56 **Lab ID: 92682396010** Collected: 08/09/23 16:51 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Boron	**10.1**	mg/L	0.40	0.086	10	08/16/23 14:27	08/23/23 18:37	7440-42-8	M1
Cobalt	**0.21**	mg/L	0.0050	0.00039	1	08/16/23 14:27	08/22/23 15:16	7440-48-4	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-MW-57 **Lab ID: 92682396011** Collected: 08/09/23 12:28 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Boron	**8.5**	mg/L	0.40	0.086	10	08/16/23 14:27	08/23/23 18:55	7440-42-8	
Cobalt	**0.030**	mg/L	0.0050	0.00039	1	08/16/23 14:27	08/22/23 15:31	7440-48-4	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-MW-58 **Lab ID: 92682396012** Collected: 08/09/23 10:34 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Boron	**4.0**	mg/L	0.40	0.086	10	08/16/23 14:27	08/23/23 19:01	7440-42-8	
Cobalt	**0.098**	mg/L	0.0050	0.00039	1	08/16/23 14:27	08/22/23 15:34	7440-48-4	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-MW-59 **Lab ID: 92682396013** Collected: 08/09/23 16:51 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Boron	**9.5**	mg/L	0.40	0.086	10	08/16/23 14:27	08/23/23 19:07	7440-42-8	
Cobalt	**0.16**	mg/L	0.0050	0.00039	1	08/16/23 14:27	08/22/23 15:38	7440-48-4	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-AP2-FD-07 **Lab ID: 92682396014** Collected: 08/09/23 00:00 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**13.9**	mg/L	0.040	0.025	1	08/18/23 10:36	08/18/23 20:53	7439-89-6	
Manganese	**17.7**	mg/L	0.040	0.011	1	08/18/23 10:36	08/18/23 20:53	7439-96-5	
Potassium	**8.0**	mg/L	0.50	0.15	1	08/18/23 10:36	08/18/23 20:53	7440-09-7	
Sodium	**12.2**	mg/L	1.0	0.58	1	08/18/23 10:36	08/18/23 20:53	7440-23-5	
Magnesium	**25.3**	mg/L	0.050	0.012	1	08/18/23 10:36	08/18/23 20:53	7439-95-4	
Calcium	**310**	mg/L	5.0	0.61	5	08/18/23 10:36	08/23/23 06:10	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/16/23 14:27	08/22/23 16:24	7440-36-0	
Arsenic	**0.0088J**	mg/L	0.010	0.0037	1	08/16/23 14:27	08/22/23 16:24	7440-38-2	
Barium	**0.041**	mg/L	0.0050	0.00067	1	08/16/23 14:27	08/22/23 16:24	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/16/23 14:27	08/22/23 16:24	7440-41-7	
Boron	**7.7**	mg/L	0.40	0.086	10	08/16/23 14:27	08/23/23 19:13	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/16/23 14:27	08/22/23 16:24	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/16/23 14:27	08/22/23 16:24	7440-47-3	
Cobalt	**0.058**	mg/L	0.0050	0.00039	1	08/16/23 14:27	08/22/23 16:24	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/16/23 14:27	08/22/23 16:24	7439-92-1	
Lithium	**0.0047J**	mg/L	0.030	0.00073	1	08/16/23 14:27	08/22/23 16:24	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/16/23 14:27	08/22/23 16:24	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/16/23 14:27	08/22/23 16:24	7782-49-2	
Thallium	**0.00024J**	mg/L	0.0010	0.00018	1	08/16/23 14:27	08/22/23 16:24	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/17/23 13:00	08/17/23 18:09	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1460**	mg/L	25.0	25.0	1		08/15/23 16:56		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**170**	mg/L	5.0	5.0	1		08/16/23 15:03		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 15:03		
Alkalinity, Total as CaCO3	**170**	mg/L	5.0	5.0	1		08/16/23 15:03		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**0.032J**	mg/L	0.10	0.022	1		08/15/23 06:28	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**132**	mg/L	10.0	6.0	10		08/16/23 08:05	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-AP2-FD-07 **Lab ID: 92682396014** Collected: 08/09/23 00:00 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		08/15/23 20:16	16984-48-8	
Sulfate	**454**	mg/L	10.0	5.0	10		08/16/23 08:05	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-AP2-FB-07 **Lab ID: 92682396015** Collected: 08/09/23 18:10 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	ND	mg/L	0.040	0.025	1	08/18/23 10:36	08/18/23 20:58	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/18/23 10:36	08/18/23 20:58	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	08/18/23 10:36	08/18/23 20:58	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	08/18/23 10:36	08/18/23 20:58	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	08/18/23 10:36	08/18/23 20:58	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	08/18/23 10:36	08/18/23 20:58	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/16/23 14:27	08/22/23 16:28	7440-36-0	
Arsenic	ND	mg/L	0.010	0.0037	1	08/16/23 14:27	08/22/23 16:28	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/16/23 14:27	08/22/23 16:28	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/16/23 14:27	08/22/23 16:28	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/16/23 14:27	08/23/23 13:11	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/16/23 14:27	08/22/23 16:28	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/16/23 14:27	08/22/23 16:28	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/16/23 14:27	08/22/23 16:28	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/16/23 14:27	08/22/23 16:28	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/16/23 14:27	08/22/23 16:28	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/16/23 14:27	08/22/23 16:28	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/16/23 14:27	08/22/23 16:28	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/16/23 14:27	08/22/23 16:28	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/17/23 13:00	08/17/23 18:20	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/15/23 16:56		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 15:15		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 15:15		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/16/23 15:15		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/15/23 06:28	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/15/23 20:30	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-AP2-FB-07 **Lab ID: 92682396015** Collected: 08/09/23 18:10 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		08/15/23 20:30	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/15/23 20:30	14808-79-8	

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QUALITY CONTROL DATA

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

QC Batch: 793618
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004, 92682396005, 92682396006, 92682396007, 92682396008, 92682396014, 92682396015

METHOD BLANK: 4112489 Matrix: Water
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004, 92682396005, 92682396006, 92682396007, 92682396008, 92682396014, 92682396015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	08/18/23 19:00	
Iron	mg/L	ND	0.040	0.025	08/18/23 19:00	
Magnesium	mg/L	ND	0.050	0.012	08/18/23 19:00	
Manganese	mg/L	ND	0.040	0.011	08/18/23 19:00	
Potassium	mg/L	ND	0.50	0.15	08/18/23 19:00	
Sodium	mg/L	ND	1.0	0.58	08/18/23 19:00	

LABORATORY CONTROL SAMPLE: 4112490

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.1	108	80-120	
Iron	mg/L	1	1.0	102	80-120	
Magnesium	mg/L	1	1.0	101	80-120	
Manganese	mg/L	1	0.99	99	80-120	
Potassium	mg/L	1	1.1	106	80-120	
Sodium	mg/L	1	1.1	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4112491 4112492

Parameter	Units	92682392001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	8.4	1	1	8.8	9.3	35	92	75-125	6	20	M1
Iron	mg/L	ND	1	1	1.0	1.0	100	100	75-125	0	20	
Magnesium	mg/L	3.4	1	1	4.1	4.3	72	92	75-125	5	20	M1
Manganese	mg/L	ND	1	1	0.98	0.99	97	98	75-125	1	20	
Potassium	mg/L	0.32J	1	1	1.3	1.5	102	113	75-125	8	20	
Sodium	mg/L	9.5	1	1	10	10.5	44	103	75-125	6	20	M1

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QUALITY CONTROL DATA

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

QC Batch: 793883
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004, 92682396005, 92682396006, 92682396007, 92682396008

METHOD BLANK: 4113580 Matrix: Water
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004, 92682396005, 92682396006, 92682396007, 92682396008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.0012	08/18/23 18:03	
Arsenic	mg/L	ND	0.010	0.0037	08/18/23 18:03	
Barium	mg/L	ND	0.0050	0.00067	08/18/23 18:03	
Beryllium	mg/L	ND	0.00050	0.000054	08/18/23 18:03	
Boron	mg/L	ND	0.040	0.0086	08/18/23 18:03	
Cadmium	mg/L	ND	0.00050	0.00011	08/18/23 18:03	
Chromium	mg/L	ND	0.0050	0.0011	08/18/23 18:03	
Cobalt	mg/L	ND	0.0050	0.00039	08/18/23 18:03	
Lead	mg/L	ND	0.0010	0.00012	08/18/23 18:03	
Lithium	mg/L	ND	0.030	0.00073	08/18/23 18:03	
Molybdenum	mg/L	ND	0.010	0.00074	08/18/23 18:03	
Selenium	mg/L	ND	0.0050	0.0014	08/18/23 18:03	
Thallium	mg/L	ND	0.0010	0.00018	08/18/23 18:03	

LABORATORY CONTROL SAMPLE: 4113581

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	103	80-120	
Arsenic	mg/L	0.1	0.10	103	80-120	
Barium	mg/L	0.1	0.094	94	80-120	
Beryllium	mg/L	0.1	0.11	108	80-120	
Boron	mg/L	1	1.1	108	80-120	
Cadmium	mg/L	0.1	0.10	101	80-120	
Chromium	mg/L	0.1	0.10	100	80-120	
Cobalt	mg/L	0.1	0.10	101	80-120	
Lead	mg/L	0.1	0.11	107	80-120	
Lithium	mg/L	0.1	0.11	113	80-120	
Molybdenum	mg/L	0.1	0.10	103	80-120	
Selenium	mg/L	0.1	0.11	107	80-120	
Thallium	mg/L	0.1	0.10	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4113582 4113583

Parameter	Units	92681883002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.11	0.10	105	100	75-125	5	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4113582 4113583

Parameter	Units	92681883002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	ND	0.1	0.1	0.11	0.10	106	100	75-125	6	20	
Barium	mg/L	0.032	0.1	0.1	0.14	0.13	109	103	75-125	4	20	
Beryllium	mg/L	ND	0.1	0.1	0.097	0.092	97	92	75-125	5	20	
Boron	mg/L	0.18	1	1	1.2	1.2	102	98	75-125	3	20	
Cadmium	mg/L	ND	0.1	0.1	0.10	0.098	101	98	75-125	3	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.096	100	95	75-125	4	20	
Cobalt	mg/L	ND	0.1	0.1	0.10	0.096	101	96	75-125	5	20	
Lead	mg/L	ND	0.1	0.1	0.11	0.10	109	104	75-125	5	20	
Lithium	mg/L	ND	0.1	0.1	0.10	0.10	102	100	75-125	2	20	
Molybdenum	mg/L	0.0039J	0.1	0.1	0.11	0.10	102	99	75-125	3	20	
Selenium	mg/L	ND	0.1	0.1	0.11	0.10	110	104	75-125	6	20	
Thallium	mg/L	ND	0.1	0.1	0.11	0.10	108	103	75-125	5	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

QC Batch: 794002
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92682396009, 92682396010, 92682396011, 92682396012, 92682396013, 92682396014, 92682396015

METHOD BLANK: 4114214 Matrix: Water
Associated Lab Samples: 92682396009, 92682396010, 92682396011, 92682396012, 92682396013, 92682396014, 92682396015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	0.0043	0.0030	0.0012	08/22/23 15:04	
Arsenic	mg/L	ND	0.010	0.0037	08/22/23 15:04	
Barium	mg/L	ND	0.0050	0.00067	08/22/23 15:04	
Beryllium	mg/L	ND	0.00050	0.000054	08/22/23 15:04	
Boron	mg/L	ND	0.040	0.0086	08/22/23 15:04	
Cadmium	mg/L	ND	0.00050	0.00011	08/22/23 15:04	
Chromium	mg/L	ND	0.0050	0.0011	08/22/23 15:04	
Cobalt	mg/L	ND	0.0050	0.00039	08/22/23 15:04	
Lead	mg/L	ND	0.0010	0.00012	08/22/23 15:04	
Lithium	mg/L	ND	0.030	0.00073	08/22/23 15:04	
Molybdenum	mg/L	ND	0.010	0.00074	08/22/23 15:04	
Selenium	mg/L	ND	0.0050	0.0014	08/22/23 15:04	
Thallium	mg/L	ND	0.0010	0.00018	08/22/23 15:04	

LABORATORY CONTROL SAMPLE: 4114215

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	112	80-120	
Arsenic	mg/L	0.1	0.10	102	80-120	
Barium	mg/L	0.1	0.10	100	80-120	
Beryllium	mg/L	0.1	0.11	110	80-120	
Boron	mg/L	1	1.1	110	80-120	
Cadmium	mg/L	0.1	0.10	102	80-120	
Chromium	mg/L	0.1	0.11	106	80-120	
Cobalt	mg/L	0.1	0.10	104	80-120	
Lead	mg/L	0.1	0.10	105	80-120	
Lithium	mg/L	0.1	0.11	110	80-120	
Molybdenum	mg/L	0.1	0.11	107	80-120	
Selenium	mg/L	0.1	0.11	105	80-120	
Thallium	mg/L	0.1	0.11	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4114216 4114217

Parameter	Units	92682396010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	0.0014J	0.1	0.1	0.11	0.10	107	101	75-125	6	20	
Arsenic	mg/L	0.0040J	0.1	0.1	0.12	0.11	112	104	75-125	7	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4114216 4114217

Parameter	Units	92682396010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	mg/L	0.042	0.1	0.1	0.16	0.15	118	108	75-125	6	20	
Beryllium	mg/L	0.00071	0.1	0.1	0.090	0.085	89	84	75-125	6	20	
Boron	mg/L	10.1	1	1	10.9	10.7	77	57	75-125	2	20	M1
Cadmium	mg/L	0.00059	0.1	0.1	0.099	0.094	98	94	75-125	5	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.097	104	97	75-125	7	20	
Cobalt	mg/L	0.21	0.1	0.1	0.31	0.29	102	83	75-125	6	20	
Lead	mg/L	0.00013J	0.1	0.1	0.067	0.064	67	64	75-125	5	20	M1
Lithium	mg/L	0.0024J	0.1	0.1	0.097	0.092	95	89	75-125	6	20	
Molybdenum	mg/L	ND	0.1	0.1	0.11	0.10	109	104	75-125	5	20	
Selenium	mg/L	0.013	0.1	0.1	0.13	0.13	122	113	75-125	8	20	
Thallium	mg/L	0.00021J	0.1	0.1	0.069	0.066	68	65	75-125	5	20	M1

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QUALITY CONTROL DATA

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

QC Batch: 793573
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004, 92682396005, 92682396006, 92682396007, 92682396008

METHOD BLANK: 4112218 Matrix: Water
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004, 92682396005, 92682396006, 92682396007, 92682396008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	08/15/23 15:25	

LABORATORY CONTROL SAMPLE: 4112219

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4112220 4112221

Parameter	Units	92681883001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0023	0.0021	88	81	75-125	8	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

QC Batch: 794228
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92682396014, 92682396015

METHOD BLANK: 4115390 Matrix: Water
Associated Lab Samples: 92682396014, 92682396015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	08/17/23 17:06	

LABORATORY CONTROL SAMPLE: 4115391

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4115392 4115393

Parameter	Units	92682396014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0026	0.0024	100	96	75-125	4	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

QC Batch: 793700 | Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004, 92682396005, 92682396006, 92682396007, 92682396008, 92682396014, 92682396015

METHOD BLANK: 4112841 Matrix: Water
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004, 92682396005, 92682396006, 92682396007, 92682396008, 92682396014, 92682396015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/15/23 16:52	

LABORATORY CONTROL SAMPLE: 4112842

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	446	112	80-120	

SAMPLE DUPLICATE: 4112843

Parameter	Units	92682396001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1890	1910	1	10	

SAMPLE DUPLICATE: 4112844

Parameter	Units	92682397001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	771	760	1	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

QC Batch: 793717
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004, 92682396005

METHOD BLANK: 4112919 Matrix: Water
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004, 92682396005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/16/23 12:53	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/16/23 12:53	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/16/23 12:53	

LABORATORY CONTROL SAMPLE: 4112920

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.4	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4112922 4112923

Parameter	Units	92682396004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	ND	50	50	52.3	52.9	98	99	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4112924 4112925

Parameter	Units	92682396005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	ND	50	50	45.8	45.7	89	89	80-120	0	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

QC Batch: 793896 | Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92682396006, 92682396007, 92682396008, 92682396014, 92682396015

METHOD BLANK: 4113632 Matrix: Water
Associated Lab Samples: 92682396006, 92682396007, 92682396008, 92682396014, 92682396015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/16/23 13:58	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/16/23 13:58	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/16/23 13:58	

LABORATORY CONTROL SAMPLE: 4113633

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.1	104	80-120	

LABORATORY CONTROL SAMPLE: 4113634

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	55.0	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4113635 4113636

Parameter	Units	92682175001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	464	50	50	487	487	47	46	80-120	0	25	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4113637 4113638

Parameter	Units	92682175002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	12.5	50	50	65.7	65.4	106	106	80-120	0	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

QC Batch: 793499
QC Batch Method: SM 4500-S2D-2011
Analysis Method: SM 4500-S2D-2011
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004

METHOD BLANK: 4111952 Matrix: Water
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	08/15/23 06:10	

LABORATORY CONTROL SAMPLE: 4111953

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.50	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4111954 4111955

Parameter	Units	92681883001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	0.16	0.5	0.5	0.68	0.59	102	84	80-120	14	10	R1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4111956 4111957

Parameter	Units	92681885005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	0.14	0.5	0.5	0.53	0.60	79	93	80-120	12	10	M1,R1

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QUALITY CONTROL DATA

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

QC Batch: 793500
QC Batch Method: SM 4500-S2D-2011
Analysis Method: SM 4500-S2D-2011
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92682396005, 92682396006, 92682396007, 92682396008, 92682396014, 92682396015

METHOD BLANK: 4111958 Matrix: Water
Associated Lab Samples: 92682396005, 92682396006, 92682396007, 92682396008, 92682396014, 92682396015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	08/15/23 06:24	

LABORATORY CONTROL SAMPLE: 4111959

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.50	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4111960 4111961

Parameter	Units	92682396005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.50	0.45	99	89	80-120	11	10	R1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4111962 4111963

Parameter	Units	92682397007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.53	0.55	104	108	80-120	4	10	

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QUALITY CONTROL DATA

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

QC Batch: 793550
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004, 92682396005, 92682396006, 92682396007, 92682396008, 92682396014, 92682396015

METHOD BLANK: 4112126 Matrix: Water
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004, 92682396005, 92682396006, 92682396007, 92682396008, 92682396014, 92682396015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/15/23 12:46	
Fluoride	mg/L	ND	0.10	0.050	08/15/23 12:46	
Sulfate	mg/L	ND	1.0	0.50	08/15/23 12:46	

LABORATORY CONTROL SAMPLE: 4112127

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.4	97	90-110	
Fluoride	mg/L	2.5	2.5	98	90-110	
Sulfate	mg/L	50	47.4	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4112128 4112129

Parameter	Units	92682198001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	50	50	48.0	48.3	95	96	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.4	2.4	94	95	90-110	1	10	
Sulfate	mg/L	ND	50	50	47.3	47.6	93	94	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4112130 4112131

Parameter	Units	92682396003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	141	50	50	179	180	77	78	90-110	0	10	M1
Fluoride	mg/L	0.56	2.5	2.5	3.1	3.2	102	104	90-110	2	10	
Sulfate	mg/L	762	50	50	787	789	50	53	90-110	0	10	M1

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QUALIFIERS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92682396001	**HAM-INW-01**	EPA 3010A	793618	EPA 6010D	794582
92682396002	**HAM-INW-02**	EPA 3010A	793618	EPA 6010D	794582
92682396003	**HAM-PT-01**	EPA 3010A	793618	EPA 6010D	794582
92682396004	**HAM-PT-02**	EPA 3010A	793618	EPA 6010D	794582
92682396005	**HAM-PT-03**	EPA 3010A	793618	EPA 6010D	794582
92682396006	**HAM-PT-04**	EPA 3010A	793618	EPA 6010D	794582
92682396007	**HAM-PT-05**	EPA 3010A	793618	EPA 6010D	794582
92682396008	**HAM-PT-06**	EPA 3010A	793618	EPA 6010D	794582
92682396014	**HAM-AP2-FD-07**	EPA 3010A	793618	EPA 6010D	794582
92682396015	**HAM-AP2-FB-07**	EPA 3010A	793618	EPA 6010D	794582
92682396001	**HAM-INW-01**	EPA 3005A	793883	EPA 6020B	794015
92682396002	**HAM-INW-02**	EPA 3005A	793883	EPA 6020B	794015
92682396003	**HAM-PT-01**	EPA 3005A	793883	EPA 6020B	794015
92682396004	**HAM-PT-02**	EPA 3005A	793883	EPA 6020B	794015
92682396005	**HAM-PT-03**	EPA 3005A	793883	EPA 6020B	794015
92682396006	**HAM-PT-04**	EPA 3005A	793883	EPA 6020B	794015
92682396007	**HAM-PT-05**	EPA 3005A	793883	EPA 6020B	794015
92682396008	**HAM-PT-06**	EPA 3005A	793883	EPA 6020B	794015
92682396009	**HAM-MW-55**	EPA 3005A	794002	EPA 6020B	794064
92682396010	**HAM-MW-56**	EPA 3005A	794002	EPA 6020B	794064
92682396011	**HAM-MW-57**	EPA 3005A	794002	EPA 6020B	794064
92682396012	**HAM-MW-58**	EPA 3005A	794002	EPA 6020B	794064
92682396013	**HAM-MW-59**	EPA 3005A	794002	EPA 6020B	794064
92682396014	**HAM-AP2-FD-07**	EPA 3005A	794002	EPA 6020B	794064
92682396015	**HAM-AP2-FB-07**	EPA 3005A	794002	EPA 6020B	794064
92682396001	**HAM-INW-01**	EPA 7470A	793573	EPA 7470A	793628
92682396002	**HAM-INW-02**	EPA 7470A	793573	EPA 7470A	793628
92682396003	**HAM-PT-01**	EPA 7470A	793573	EPA 7470A	793628
92682396004	**HAM-PT-02**	EPA 7470A	793573	EPA 7470A	793628
92682396005	**HAM-PT-03**	EPA 7470A	793573	EPA 7470A	793628
92682396006	**HAM-PT-04**	EPA 7470A	793573	EPA 7470A	793628
92682396007	**HAM-PT-05**	EPA 7470A	793573	EPA 7470A	793628
92682396008	**HAM-PT-06**	EPA 7470A	793573	EPA 7470A	793628
92682396014	**HAM-AP2-FD-07**	EPA 7470A	794228	EPA 7470A	794260
92682396015	**HAM-AP2-FB-07**	EPA 7470A	794228	EPA 7470A	794260
92682396001	**HAM-INW-01**	SM 2540C-2015	793700		
92682396002	**HAM-INW-02**	SM 2540C-2015	793700		
92682396003	**HAM-PT-01**	SM 2540C-2015	793700		
92682396004	**HAM-PT-02**	SM 2540C-2015	793700		
92682396005	**HAM-PT-03**	SM 2540C-2015	793700		
92682396006	**HAM-PT-04**	SM 2540C-2015	793700		
92682396007	**HAM-PT-05**	SM 2540C-2015	793700		
92682396008	**HAM-PT-06**	SM 2540C-2015	793700		
92682396014	**HAM-AP2-FD-07**	SM 2540C-2015	793700		
92682396015	**HAM-AP2-FB-07**	SM 2540C-2015	793700		
92682396001	**HAM-INW-01**	SM 2320B-2011	793717		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92682396002	**HAM-INW-02**	SM 2320B-2011	793717		
92682396003	**HAM-PT-01**	SM 2320B-2011	793717		
92682396004	**HAM-PT-02**	SM 2320B-2011	793717		
92682396005	**HAM-PT-03**	SM 2320B-2011	793717		
92682396006	**HAM-PT-04**	SM 2320B-2011	793896		
92682396007	**HAM-PT-05**	SM 2320B-2011	793896		
92682396008	**HAM-PT-06**	SM 2320B-2011	793896		
92682396014	**HAM-AP2-FD-07**	SM 2320B-2011	793896		
92682396015	**HAM-AP2-FB-07**	SM 2320B-2011	793896		
92682396001	**HAM-INW-01**	SM 4500-S2D-2011	793499		
92682396002	**HAM-INW-02**	SM 4500-S2D-2011	793499		
92682396003	**HAM-PT-01**	SM 4500-S2D-2011	793499		
92682396004	**HAM-PT-02**	SM 4500-S2D-2011	793499		
92682396005	**HAM-PT-03**	SM 4500-S2D-2011	793500		
92682396006	**HAM-PT-04**	SM 4500-S2D-2011	793500		
92682396007	**HAM-PT-05**	SM 4500-S2D-2011	793500		
92682396008	**HAM-PT-06**	SM 4500-S2D-2011	793500		
92682396014	**HAM-AP2-FD-07**	SM 4500-S2D-2011	793500		
92682396015	**HAM-AP2-FB-07**	SM 4500-S2D-2011	793500		
92682396001	**HAM-INW-01**	EPA 300.0 Rev 2.1 1993	793550		
92682396002	**HAM-INW-02**	EPA 300.0 Rev 2.1 1993	793550		
92682396003	**HAM-PT-01**	EPA 300.0 Rev 2.1 1993	793550		
92682396004	**HAM-PT-02**	EPA 300.0 Rev 2.1 1993	793550		
92682396005	**HAM-PT-03**	EPA 300.0 Rev 2.1 1993	793550		
92682396006	**HAM-PT-04**	EPA 300.0 Rev 2.1 1993	793550		
92682396007	**HAM-PT-05**	EPA 300.0 Rev 2.1 1993	793550		
92682396008	**HAM-PT-06**	EPA 300.0 Rev 2.1 1993	793550		
92682396014	**HAM-AP2-FD-07**	EPA 300.0 Rev 2.1 1993	793550		
92682396015	**HAM-AP2-FB-07**	EPA 300.0 Rev 2.1 1993	793550		

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Pace ANALYTICAL SERVICES

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

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO# : 92682396

92682396

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

Custody Seal Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☐ No

Date/Initials Person Examining Contents: 9/11/23 TH

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☐ N/A

Thermometer: ☑ IR Gun ID: 230

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.1 **Correction Factor:** Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 3.1

Temp should be above freezing to 6°C

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

USDA Regulated Soil (☐ N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ **Date:** _____

Project Manager SRF Review: _____ **Date:** _____

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

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

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

*****Check all unpreserved Nitrates for chlorine**

Project # WO#: 92682396

PM: BV Due Date: 08/25/23

CLIENT: 92- GP-HAM

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

pH Adjustment Log for Preserved Samples

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

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

WO#: 92682396

PM: BV Due Date: 08/25/23

CLIENT: 92- GP-HAM

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

Project #

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

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

***Check all unpreserved Nitrates for chlorine

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

pH Adjustment Log for Preserved Samples

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

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Pace Analytical
www.pacelabs.com

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:	GA Power
Address:	Atlanta, GA
Email To:	SCS Contacts
Phone	Fax:
Requested Due Date/TAT:	10 Day

Section B Required Project Information:

Report To:	SCS Contacts
Copy To:	Geosyntec Contacts
Purchase Order No.:	
Project Name:	Hammond AP-2
Project Number:	

Section C Invoice Information:

Attention:	Southern Co.
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Bonnie Vang
Pace Profile #:	10839

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Chloride, Fluoride, Sulfate	Full App. III and IV metals	Major Ions (Profile 10839-2)	TDS	Boron and Cobalt	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
										Requested Analysis Filtered (Y/N)									N	N	N	N	N		92682396
1	HAM-INW-01	WG	G	8/9/2023	1336			24	5	3		1					1		X	X	X	X		N	001
2	HAM-INW-02	WG	G	8/9/2023	1310			21	5	3		1					1		X	X	X	X		N	002
3	HAM-PT-01	WG	G	8/9/2023	1213			21	5	3		1					1		X	X	X	X		N	003
4	HAM-PT-02	WG	G	8/9/2023	1423			22	5	3		1					1		X	X	X	X		N	004
5	HAM-PT-03	WG	G	8/9/2023	1047			20	5	3		1					1		X	X	X	X		N	005
6	HAM-PT-04	WG	G	8/9/2023	1422			21	5	3		1					1		X	X	X	X		N	006
7	HAM-PT-05	WG	G	8/9/2023	1739			22	5	3		1					1		X	X	X	X		N	007
8	HAM-PT-06	WG	G	8/9/2023	1548			21	5	3		1					1		X	X	X	X		N	008
9	HAM-MW-55	WG	G	8/9/2023	1822			24	1			1											X	N	009
10	HAM-MW-56	WG	G	8/9/2023	1651			22	1			1											X	N	010
11	HAM-MW-57	WG	G	8/9/2023	1228	TK 8/9/2023		20	1			1											X	N	011
12	HAM-MW-58	WG	G	8/9/2023	1034			19	1			1											X	N	012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Task Code: HAM-CCR-CA-20230809	Anthony Sweet / Geosyntec	8/11/2023	1312	Ryan Williams / Pace	8/11/2023	1312	
	Ryan Williams / Pace	8/11/2023	1535		8/11/23	1537	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Anthony Sweet, Thomas Kenter, Connor Cain / Geosyntec Consultants, Inc

SIGNATURE of SAMPLER: Anthony Sweet, Thomas Kenter, Connor Cain — DATE Signed (MM/DD/YY): 08/09/2023

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical
www.pacelabs.com

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Requested Due Date/TAT:	10 Day

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Copy To:	Geosyntec Contacts
Purchase Order No.:	
Project Name:	Hammond AP-2
Project Number:	

Section C Invoice Information:

Attention:	Southern Co.
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Bonnie Vang
Pace Profile #:	10839

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (use valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Chloride, Fluoride, Sulfate	Full App. III and IV metals	Major Ions (Profile 10839-2)	TDS	Boron and Cobalt	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																		Requested Analysis Filtered (Y/N)	N	N	N	N	N		92682396
1	HAM-MW-59	WG	G	8/8/2023	1651			22	1			1											X	N	013
2	HAM-AP2-FD-07	WG	G	8/8/2023	0000			21	5	3		1					1		X	X	X	X		N	014
3	HAM-AP2-FB-07	WQ	G	8/8/2023	1810	TK 8/9/2023		21	5	3		1					1		X	X	X	X		N	015
4																									Last Sample
5																									
6																									
7																									
8																									
9																									
10						TK 8/9/2023																			
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Task Code: HAM-CCR-CA-20230809	Anthony Sinnett / Geosyntec	8/11/2023	1312	Ryan William / Pace	8/11/2023	1312	
	Ryan William / Pace	8/11/2023	1536	Rhonda Hinton	8/11/23	1537	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Anthony Sinnett, Connor Cain / Geosyntec Consultants, Inc

SIGNATURE of SAMPLER: Anthony Sinnett, Connor Cain DATE Signed (MM/DD/YY): 08/09/2023

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-Feb-2007

Field Sampling Forms

Low-Flow Test Report:

Test Date / Time: 7/19/2023 8:36:29 AM
Project: GW6581
Operator Name: Alana Neely

Location Name: INW-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 11.2 ft** **Total Depth: 21.2 ft** **Initial Depth to Water: 9.95 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 16.2 ft** **Estimated Total Volume Pumped: 7457.5 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 1.15 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884187**

Test Notes:
Five bottles: Full App III and IV and Geochem

Weather Conditions:
63-93 deg F cloudy

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
7/19/2023 8:36 AM	00:00	5.03 pH	21.06 °C	2,119.7 µS/cm	2.57 mg/L	2.98 NTU	200.2 mV	10.80 ft	150.00 ml/min
7/19/2023 8:40 AM	04:00	5.03 pH	20.28 °C	2,085.9 µS/cm	2.60 mg/L		213.0 mV	10.80 ft	150.00 ml/min
7/19/2023 8:41 AM	04:35	5.05 pH	20.26 °C	2,090.5 µS/cm	2.59 mg/L		211.1 mV	10.80 ft	150.00 ml/min
7/19/2023 8:41 AM	04:43	5.05 pH	20.25 °C	2,089.5 µS/cm	2.58 mg/L	3.26 NTU	212.4 mV	11.10 ft	150.00 ml/min
7/19/2023 8:46 AM	09:43	5.12 pH	20.24 °C	2,100.0 µS/cm	2.40 mg/L	3.70 NTU	153.1 mV	11.10 ft	150.00 ml/min
7/19/2023 8:51 AM	14:43	5.17 pH	20.31 °C	2,113.1 µS/cm	2.01 mg/L	2.25 NTU	187.8 mV	11.10 ft	150.00 ml/min
7/19/2023 8:56 AM	19:43	5.18 pH	20.70 °C	2,167.7 µS/cm	1.01 mg/L	2.24 NTU	135.2 mV	11.10 ft	150.00 ml/min
7/19/2023 9:01 AM	24:43	5.16 pH	20.51 °C	2,191.8 µS/cm	0.66 mg/L	2.56 NTU	107.1 mV	11.10 ft	150.00 ml/min
7/19/2023 9:06 AM	29:43	5.14 pH	20.53 °C	2,215.4 µS/cm	0.67 mg/L	2.81 NTU	85.6 mV	11.10 ft	150.00 ml/min
7/19/2023 9:11 AM	34:43	5.13 pH	20.60 °C	2,245.1 µS/cm	0.38 mg/L	2.02 NTU	76.3 mV	11.10 ft	150.00 ml/min
7/19/2023 9:16 AM	39:43	5.14 pH	20.50 °C	2,265.2 µS/cm	0.51 mg/L	2.36 NTU	60.6 mV	11.10 ft	150.00 ml/min
7/19/2023 9:21 AM	44:43	5.16 pH	20.44 °C	2,275.3 µS/cm	0.60 mg/L	2.24 NTU	51.3 mV	11.10 ft	150.00 ml/min
7/19/2023 9:26 AM	49:43	5.18 pH	20.49 °C	2,297.3 µS/cm	0.51 mg/L	3.05 NTU	37.1 mV	11.10 ft	150.00 ml/min

Samples

Sample ID:	Description:
HAM-INW-01	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/14/2023 2:27:39 PM
Project: GW6581
Operator Name: Alana Neely

Location Name: INW-02 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 28 ft** **Total Depth: 38 ft** **Initial Depth to Water: 14.5 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 33 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884187**

Test Notes:
Five bottles: Full App III and IV and Geochem
Weather Conditions:
73-93 deg F; cloudy

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
7/14/2023 2:27 PM	00:00	6.32 pH	23.17 °C	1,741.8 µS/cm	0.18 mg/L	1.48 NTU	-61.8 mV	14.60 ft	200.00 ml/min
7/14/2023 2:32 PM	05:00	6.31 pH	22.78 °C	1,728.3 µS/cm	0.13 mg/L	1.82 NTU	-57.8 mV	14.60 ft	200.00 ml/min
7/14/2023 2:37 PM	10:00	6.30 pH	22.65 °C	1,720.3 µS/cm	0.11 mg/L	2.02 NTU	-61.8 mV	14.60 ft	200.00 ml/min
7/14/2023 2:42 PM	15:00	6.29 pH	22.45 °C	1,721.0 µS/cm	0.09 mg/L	1.98 NTU	-60.0 mV	14.60 ft	200.00 ml/min
7/14/2023 2:47 PM	20:00	6.28 pH	22.60 °C	1,717.1 µS/cm	0.08 mg/L	1.45 NTU	-52.7 mV	14.60 ft	200.00 ml/min
7/14/2023 2:52 PM	25:00	6.27 pH	22.77 °C	1,711.0 µS/cm	0.08 mg/L	1.44 NTU	-52.1 mV	14.60 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-INW-02	Grab.
HAM-AP2-FD-01	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/18/2023 12:54:24 PM
Project: GW6581
Operator Name: Alana Neely

Location Name: PT-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 11.2 ft** **Total Depth: 21.2 ft** **Initial Depth to Water: 10.2 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 16.2 ft** **Estimated Total Volume Pumped: 3750 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.2 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884187**

Test Notes:
Five bottles: Full App III and IV and Geochem
Weather Conditions:
63-93 deg F Sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.4	
7/18/2023 12:54 PM	00:00	4.66 pH	24.25 °C	1,950.9 µS/cm	1.50 mg/L	3.97 NTU	129.9 mV	10.40 ft	150.00 ml/min
7/18/2023 12:59 PM	05:00	4.63 pH	22.68 °C	1,946.7 µS/cm	0.66 mg/L	3.32 NTU	129.0 mV	10.40 ft	150.00 ml/min
7/18/2023 1:04 PM	10:00	4.63 pH	22.41 °C	1,951.2 µS/cm	0.50 mg/L	3.59 NTU	160.9 mV	10.40 ft	150.00 ml/min
7/18/2023 1:09 PM	15:00	4.64 pH	22.20 °C	1,946.9 µS/cm	0.49 mg/L	3.49 NTU	129.7 mV	10.40 ft	150.00 ml/min
7/18/2023 1:14 PM	20:00	4.62 pH	21.83 °C	1,955.0 µS/cm	0.47 mg/L	3.29 NTU	166.8 mV	10.40 ft	150.00 ml/min
7/18/2023 1:19 PM	25:00	4.63 pH	22.09 °C	1,953.8 µS/cm	0.46 mg/L	3.21 NTU	131.8 mV	10.40 ft	150.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-01	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/18/2023 2:04:10 PM
Project: GW6581
Operator Name: Alana Neely

Location Name: PT-02 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 10.8 ft** **Total Depth: 20.8 ft** **Initial Depth to Water: 10.1 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 15.8 ft** **Estimated Total Volume Pumped: 13176.667 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884187**

Test Notes:
Five bottles: Full App III and IV and Geochem
Weather Conditions:
63-93 deg F Sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
7/18/2023 2:04 PM	00:00	5.04 pH	27.82 °C	1,893.0 µS/cm	3.95 mg/L	3.88 NTU	146.0 mV	10.20 ft	100.00 ml/min
7/18/2023 2:49 PM	44:54	5.03 pH	36.70 °C	1,803.5 µS/cm	5.29 mg/L	3.91 NTU	159.3 mV	10.20 ft	100.00 ml/min
7/18/2023 2:54 PM	50:00	5.00 pH	26.89 °C	2,018.8 µS/cm	2.36 mg/L	4.68 NTU	148.6 mV	10.20 ft	100.00 ml/min
7/18/2023 2:59 PM	55:00	4.96 pH	30.07 °C	2,077.6 µS/cm	2.20 mg/L	4.90 NTU	125.0 mV	10.20 ft	100.00 ml/min
7/18/2023 3:04 PM	01:00:00	4.94 pH	32.38 °C	2,092.0 µS/cm	3.96 mg/L	3.74 NTU	120.1 mV	10.20 ft	100.00 ml/min
7/18/2023 3:55 PM	01:51:46	5.06 pH	33.37 °C	1,792.6 µS/cm	2.79 mg/L	3.83 NTU	147.8 mV	10.20 ft	100.00 ml/min
7/18/2023 4:00 PM	01:56:46	5.02 pH	30.24 °C	2,100.3 µS/cm	2.07 mg/L	4.50 NTU	127.3 mV	10.20 ft	100.00 ml/min
7/18/2023 4:05 PM	02:01:46	5.05 pH	28.02 °C	2,164.0 µS/cm	1.03 mg/L	4.43 NTU	151.1 mV	10.20 ft	100.00 ml/min
7/18/2023 4:10 PM	02:06:46	4.98 pH	30.39 °C	2,158.2 µS/cm	0.93 mg/L	4.31 NTU	150.3 mV	10.20 ft	100.00 ml/min
7/18/2023 4:15 PM	02:11:46	4.97 pH	31.50 °C	2,156.2 µS/cm	0.99 mg/L	3.98 NTU	148.3 mV	10.20 ft	100.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-02	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/18/2023 12:03:35 PM
Project: GW6581
Operator Name: Alana Neely

Location Name: PT-03 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 11.1 ft** **Total Depth: 21.1 ft** **Initial Depth to Water: 10.2 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 16.1 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884187**

Test Notes:
Five bottles: Full App III and IV and Geochem
Weather Conditions:
63-93 deg F Sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
7/18/2023 12:03 PM	00:00	4.58 pH	23.50 °C	1,955.5 µS/cm	0.62 mg/L	3.35 NTU	186.7 mV	10.30 ft	200.00 ml/min
7/18/2023 12:08 PM	05:00	4.59 pH	21.63 °C	2,005.4 µS/cm	0.23 mg/L	3.59 NTU	202.5 mV	10.30 ft	200.00 ml/min
7/18/2023 12:13 PM	10:00	4.63 pH	21.34 °C	2,019.4 µS/cm	0.17 mg/L	3.29 NTU	118.8 mV	10.30 ft	200.00 ml/min
7/18/2023 12:18 PM	15:00	4.64 pH	21.04 °C	2,020.2 µS/cm	0.13 mg/L	4.73 NTU	127.6 mV	10.30 ft	200.00 ml/min
7/18/2023 12:23 PM	20:00	4.63 pH	20.85 °C	2,041.4 µS/cm	0.12 mg/L	3.92 NTU	98.4 mV	10.30 ft	200.00 ml/min
7/18/2023 12:28 PM	25:00	4.64 pH	21.13 °C	2,031.4 µS/cm	0.11 mg/L	3.74 NTU	110.2 mV	10.30 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-03	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/14/2023 1:33:06 PM
Project: GW6581
Operator Name: Alana Neely

Location Name: PT-04 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 25.9 ft** **Total Depth: 35.9 ft** **Initial Depth to Water: 14.1 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 30.9 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884187**

Test Notes:
Five bottles: Full App III and IV and Geochem
Weather Conditions:
73-93 deg F; cloudy

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
7/14/2023 1:33 PM	00:00	6.28 pH	29.98 °C	2.06 µS/cm	7.62 mg/L	7.81 NTU	3.3 mV	14.20 ft	200.00 ml/min
7/14/2023 1:38 PM	05:00	6.31 pH	22.77 °C	1,710.6 µS/cm	0.15 mg/L	6.27 NTU	-48.3 mV	14.20 ft	200.00 ml/min
7/14/2023 1:43 PM	10:00	6.31 pH	21.60 °C	1,734.3 µS/cm	0.12 mg/L	4.05 NTU	-54.8 mV	14.20 ft	200.00 ml/min
7/14/2023 1:48 PM	15:00	6.30 pH	21.50 °C	1,735.7 µS/cm	0.11 mg/L	3.95 NTU	-65.1 mV	14.20 ft	200.00 ml/min
7/14/2023 1:53 PM	20:00	6.30 pH	21.91 °C	1,724.9 µS/cm	0.10 mg/L	3.40 NTU	-67.8 mV	14.20 ft	200.00 ml/min
7/14/2023 1:58 PM	25:00	6.30 pH	21.83 °C	1,714.9 µS/cm	0.08 mg/L	2.84 NTU	-70.5 mV	14.20 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-04	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/14/2023 11:30:00 AM
Project: GW6581
Operator Name: Alana Neely

Location Name: PT-05 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 26 ft** **Total Depth: 36 ft** **Initial Depth to Water: 14.4 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 31 ft** **Estimated Total Volume Pumped: 17073.334 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884187**

Test Notes:
Five bottles: Full App III and IV and Geochem

Weather Conditions:
73-93 deg F; sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
7/14/2023 11:30 AM	00:00	6.16 pH	22.55 °C	1,727.9 µS/cm	0.21 mg/L	14.80 NTU	17.8 mV	14.50 ft	200.00 ml/min
7/14/2023 11:35 AM	05:00	6.16 pH	22.74 °C	1,721.7 µS/cm	0.15 mg/L	13.30 NTU	16.2 mV	14.50 ft	200.00 ml/min
7/14/2023 11:40 AM	10:00	6.16 pH	22.41 °C	1,717.0 µS/cm	0.12 mg/L	12.60 NTU	16.1 mV	14.50 ft	200.00 ml/min
7/14/2023 11:45 AM	15:22	6.15 pH	22.10 °C	1,723.2 µS/cm	0.11 mg/L	13.20 NTU	13.2 mV	14.50 ft	200.00 ml/min
7/14/2023 11:50 AM	20:22	6.16 pH	22.36 °C	1,711.5 µS/cm	0.09 mg/L	11.40 NTU	10.2 mV	14.50 ft	200.00 ml/min
7/14/2023 11:55 AM	25:22	6.16 pH	21.92 °C	1,714.2 µS/cm	0.08 mg/L	11.20 NTU	11.4 mV	14.50 ft	200.00 ml/min
7/14/2023 12:00 PM	30:22	6.15 pH	21.96 °C	1,739.4 µS/cm	0.09 mg/L	12.20 NTU	5.8 mV	14.50 ft	200.00 ml/min
7/14/2023 12:05 PM	35:22	6.14 pH	22.02 °C	1,733.2 µS/cm	0.09 mg/L	13.16 NTU	5.6 mV	14.50 ft	200.00 ml/min
7/14/2023 12:10 PM	40:22	6.14 pH	22.85 °C	1,739.9 µS/cm	0.10 mg/L	12.85 NTU	6.7 mV	14.50 ft	200.00 ml/min
7/14/2023 12:15 PM	45:22	6.14 pH	23.40 °C	1,723.0 µS/cm	0.11 mg/L	12.20 NTU	6.3 mV	14.50 ft	200.00 ml/min
7/14/2023 12:20 PM	50:22	6.14 pH	23.22 °C	1,723.9 µS/cm	0.11 mg/L	11.30 NTU	1.9 mV	14.50 ft	200.00 ml/min
7/14/2023 12:25 PM	55:22	6.14 pH	22.88 °C	1,722.2 µS/cm	0.10 mg/L	9.51 NTU	5.9 mV	14.50 ft	200.00 ml/min
7/14/2023 12:30 PM	01:00:22	6.14 pH	22.81 °C	1,721.5 µS/cm	0.10 mg/L	7.56 NTU	5.3 mV	14.50 ft	200.00 ml/min

7/14/2023 12:35 PM	01:05:22	6.13 pH	22.86 °C	1,743.7 µS/cm	0.10 mg/L	6.63 NTU	3.0 mV	14.50 ft	200.00 ml/min
7/14/2023 12:40 PM	01:10:22	6.13 pH	23.08 °C	1,729.3 µS/cm	0.09 mg/L	6.08 NTU	1.8 mV	14.50 ft	200.00 ml/min
7/14/2023 12:45 PM	01:15:22	6.13 pH	22.80 °C	1,723.1 µS/cm	0.09 mg/L	5.66 NTU	6.4 mV	14.50 ft	200.00 ml/min
7/14/2023 12:50 PM	01:20:22	6.13 pH	22.95 °C	1,729.5 µS/cm	0.09 mg/L	5.40 NTU	3.9 mV	14.50 ft	200.00 ml/min
7/14/2023 12:55 PM	01:25:22	6.13 pH	23.73 °C	1,726.7 µS/cm	0.09 mg/L	4.76 NTU	7.9 mV	14.50 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-05	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/14/2023 10:35:28 AM
Project: GW6581
Operator Name: Alana Neely

Location Name: PT-06 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 26.3 ft** **Total Depth: 36.3 ft** **Initial Depth to Water: 14.2 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 31.3 ft** **Estimated Total Volume Pumped: 5343.333 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884187**

Test Notes:
Five bottles: Full App III and IV and Geochem
Weather Conditions:
73-93 deg F; cloudy

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
7/14/2023 10:35 AM	00:00	6.09 pH	23.98 °C	1,670.5 µS/cm	0.37 mg/L	19.70 NTU	-17.9 mV	14.30 ft	200.00 ml/min
7/14/2023 10:40 AM	05:00	6.09 pH	23.13 °C	1,686.7 µS/cm	0.21 mg/L	9.67 NTU	-25.2 mV	14.30 ft	200.00 ml/min
7/14/2023 10:45 AM	10:00	6.09 pH	23.36 °C	1,683.9 µS/cm	0.16 mg/L	7.09 NTU	-24.5 mV	14.30 ft	200.00 ml/min
7/14/2023 10:50 AM	15:00	6.10 pH	22.99 °C	1,685.0 µS/cm	0.13 mg/L	4.11 NTU	-21.2 mV	14.30 ft	200.00 ml/min
7/14/2023 10:55 AM	20:00	6.09 pH	22.69 °C	1,682.4 µS/cm	0.12 mg/L	3.64 NTU	-20.1 mV	14.30 ft	200.00 ml/min
7/14/2023 11:00 AM	25:00	6.09 pH	22.95 °C	1,683.0 µS/cm	0.10 mg/L	2.77 NTU	-19.2 mV	14.30 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-06	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/9/2023 1:01:23 PM
Project: GP-Plant Hammond
Operator Name: C. Cain

Location Name: INW-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 13.4 ft Total Depth: 23.5 ft** **Initial Depth to Water: 9.98 ft**	**Pump Type: peri** **Tubing Type: Poly** **Pump Intake From TOC: 18.5 ft** **Estimated Total Volume Pumped: 3 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.72 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883553**

Test Notes:
5 bottles: Baseline Sampling and Major Ions

Weather Conditions:
Sunny, 76 Degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/9/2023 1:01 PM	00:00	5.77 pH	23.81 °C	2,157.3 µS/cm	0.94 mg/L	2.01 NTU	-61.4 mV	10.70 ft	100.00 ml/min
8/9/2023 1:06 PM	05:00	5.87 pH	23.18 °C	2,141.3 µS/cm	0.47 mg/L	1.88 NTU	-105.9 mV	10.70 ft	100.00 ml/min
8/9/2023 1:11 PM	10:00	5.81 pH	23.29 °C	2,117.7 µS/cm	0.32 mg/L	1.62 NTU	-52.0 mV	10.70 ft	100.00 ml/min
8/9/2023 1:16 PM	15:00	5.84 pH	23.35 °C	2,140.0 µS/cm	0.27 mg/L	0.82 NTU	-59.1 mV	10.70 ft	100.00 ml/min
8/9/2023 1:21 PM	20:00	5.84 pH	23.40 °C	2,150.6 µS/cm	0.24 mg/L	0.52 NTU	-57.5 mV	10.70 ft	100.00 ml/min
8/9/2023 1:26 PM	25:00	5.86 pH	23.67 °C	2,178.8 µS/cm	0.22 mg/L	0.47 NTU	-60.8 mV	10.70 ft	100.00 ml/min
8/9/2023 1:31 PM	30:00	5.80 pH	23.92 °C	2,169.4 µS/cm	0.21 mg/L	0.42 NTU	-51.9 mV	10.70 ft	100.00 ml/min

Samples

Sample ID:	Description:
HAM-INW-01	Grab.

Low-Flow Test Report:

Test Date / Time: 8/9/2023 12:35:14 PM
Project: GP-Plant Hammond
Operator Name: Anthony Szwast

Location Name: INW-02 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 25.16 ft** **Total Depth: 25.16 ft** **Initial Depth to Water: 14.81 m**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 30.16 ft** **Estimated Total Volume Pumped: 7.6 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.07 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883530**

Test Notes:
5 bottles: Baseline Sampling and Major Ions

Weather Conditions:
Partly cloudy, 75 Degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
8/9/2023 12:35 PM	00:00	6.41 pH	21.34 °C	1,672.5 µS/cm	0.17 mg/L	0.42 NTU	-73.5 mV	14.84 ft	200.00 ml/min
8/9/2023 12:40 PM	05:00	6.42 pH	20.80 °C	1,667.8 µS/cm	0.13 mg/L	0.00 NTU	-8.6 mV	14.87 ft	200.00 ml/min
8/9/2023 12:45 PM	10:00	6.42 pH	20.79 °C	1,668.5 µS/cm	0.09 mg/L	0.00 NTU	3.0 mV	14.87 ft	200.00 ml/min
8/9/2023 12:50 PM	15:00	6.41 pH	21.06 °C	1,660.0 µS/cm	0.07 mg/L	0.00 NTU	2.9 mV	14.87 ft	200.00 ml/min
8/9/2023 12:55 PM	20:00	6.41 pH	21.05 °C	1,645.2 µS/cm	0.06 mg/L	0.00 NTU	18.6 mV	14.87 ft	200.00 ml/min
8/9/2023 1:00 PM	25:00	6.41 pH	21.06 °C	1,648.3 µS/cm	0.07 mg/L	0.00 NTU	23.1 mV	14.88 ft	200.00 ml/min
8/9/2023 1:05 PM	30:00	6.41 pH	21.02 °C	1,639.6 µS/cm	0.06 mg/L	0.00 NTU	26.3 mV	14.88 ft	200.00 ml/min

Samples

Sample ID:	Description:
INW-02	Grab.

Low-Flow Test Report:

Test Date / Time: 8/9/2023 11:28:35 AM
Project: GP-Plant Hammond
Operator Name: C. Cain

Location Name: PT-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 13.49 ft** **Total Depth: 23.49 ft** **Initial Depth to Water: 10.22 ft**	**Pump Type: peri** **Tubing Type: Poly** **Pump Intake From TOC: 18.49 ft** **Estimated Total Volume Pumped: 4 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.27 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883553**

Test Notes:
Five bottles: Baseline Sampling and Major Ions

Weather Conditions:
Sunny, 75 Degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/9/2023 11:28 AM	00:00	5.02 pH	22.23 °C	1,975.0 µS/cm	1.42 mg/L	10.82 NTU	122.1 mV	10.42 ft	100.00 ml/min
8/9/2023 11:33 AM	05:00	4.96 pH	21.11 °C	1,981.6 µS/cm	1.76 mg/L	10.29 NTU	74.7 mV	10.47 ft	100.00 ml/min
8/9/2023 11:38 AM	10:00	4.94 pH	20.74 °C	1,980.7 µS/cm	1.66 mg/L	8.50 NTU	89.4 mV	10.49 ft	100.00 ml/min
8/9/2023 11:43 AM	15:00	4.90 pH	20.84 °C	1,968.5 µS/cm	1.41 mg/L	9.03 NTU	88.6 mV	10.49 ft	100.00 ml/min
8/9/2023 11:48 AM	20:00	4.83 pH	21.06 °C	1,952.0 µS/cm	1.51 mg/L	3.92 NTU	87.6 mV	10.49 ft	100.00 ml/min
8/9/2023 11:53 AM	25:00	4.81 pH	21.15 °C	1,947.9 µS/cm	0.50 mg/L	4.52 NTU	88.6 mV	10.49 ft	100.00 ml/min
8/9/2023 11:58 AM	30:00	4.79 pH	21.00 °C	1,951.6 µS/cm	0.28 mg/L	2.73 NTU	90.8 mV	10.49 ft	100.00 ml/min
8/9/2023 12:03 PM	35:00	4.79 pH	20.93 °C	1,948.9 µS/cm	0.27 mg/L	3.25 NTU	65.7 mV	10.49 ft	100.00 ml/min
8/9/2023 12:08 PM	40:00	4.76 pH	21.01 °C	1,959.0 µS/cm	0.26 mg/L	0.89 NTU	91.2 mV	10.49 ft	100.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-01	Grab.

Low-Flow Test Report:

Test Date / Time: 8/9/2023 1:50:05 PM
Project: GP-Plant Hammond
Operator Name: Thomas Kessler

Location Name: PT-02 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 13.4 ft** **Total Depth: 23.4 ft** **Initial Depth to Water: 10.15 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 18.4 ft** **Estimated Total Volume Pumped: 4.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.51 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Five bottles: Baseline Sampling and Major Ions

Weather Conditions:
Sunny, 85 Degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/9/2023 1:50 PM	00:00	5.23 pH	24.66 °C	2,089.6 µS/cm	0.47 mg/L	1.09 NTU	79.8 mV	10.55 ft	100.00 ml/min
8/9/2023 1:55 PM	05:00	5.26 pH	23.07 °C	2,097.7 µS/cm	0.32 mg/L	1.55 NTU	65.3 mV	10.57 ft	100.00 ml/min
8/9/2023 2:00 PM	10:00	5.19 pH	22.97 °C	2,034.6 µS/cm	0.31 mg/L	0.61 NTU	49.1 mV	10.58 ft	100.00 ml/min
8/9/2023 2:05 PM	15:00	5.16 pH	22.60 °C	2,011.2 µS/cm	0.27 mg/L	0.13 NTU	60.3 mV	10.60 ft	100.00 ml/min
8/9/2023 2:10 PM	20:00	5.13 pH	22.21 °C	2,009.5 µS/cm	0.26 mg/L	0.14 NTU	53.8 mV	10.62 ft	100.00 ml/min
8/9/2023 2:15 PM	25:00	5.09 pH	21.74 °C	2,010.1 µS/cm	0.27 mg/L	0.28 NTU	56.1 mV	10.64 ft	100.00 ml/min
8/9/2023 2:20 PM	30:00	5.06 pH	21.81 °C	1,992.8 µS/cm	0.22 mg/L	0.40 NTU	73.6 mV	10.66 ft	100.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-02	Grab.

Low-Flow Test Report:

Test Date / Time: 8/9/2023 10:02:17 AM
Project: GP-Plant Hammond
Operator Name: C. Cain

Location Name: PT-03 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 10.4 ft** **Total Depth: 23.62 ft** **Initial Depth to Water: 10.23 ft**	**Pump Type: peri** **Tubing Type: Poly** **Pump Intake From TOC: 15.4 ft** **Estimated Total Volume Pumped: 4 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.07 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883553**

Test Notes:
Five bottles: Baseline Sampling and Major Ions

Weather Conditions:
Cloudy, 75 Degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/9/2023 10:02 AM	00:00	4.65 pH	20.88 °C	1,880.2 µS/cm	0.75 mg/L	0.90 NTU	178.3 mV	10.30 ft	100.00 ml/min
8/9/2023 10:07 AM	05:00	4.67 pH	20.86 °C	1,919.5 µS/cm	0.46 mg/L	0.87 NTU	128.4 mV	10.30 ft	100.00 ml/min
8/9/2023 10:12 AM	10:00	4.69 pH	20.78 °C	1,933.4 µS/cm	1.58 mg/L	0.63 NTU	112.6 mV	10.30 ft	100.00 ml/min
8/9/2023 10:17 AM	15:00	4.73 pH	20.75 °C	1,945.4 µS/cm	1.57 mg/L	0.72 NTU	152.3 mV	10.30 ft	100.00 ml/min
8/9/2023 10:22 AM	20:00	4.77 pH	20.74 °C	1,945.7 µS/cm	1.51 mg/L	0.67 NTU	94.0 mV	10.30 ft	100.00 ml/min
8/9/2023 10:27 AM	25:00	4.79 pH	20.63 °C	1,950.0 µS/cm	0.48 mg/L	0.64 NTU	107.4 mV	10.30 ft	100.00 ml/min
8/9/2023 10:32 AM	30:00	4.78 pH	20.62 °C	1,954.6 µS/cm	0.26 mg/L	0.68 NTU	97.0 mV	10.30 ft	100.00 ml/min
8/9/2023 10:37 AM	35:00	4.81 pH	20.52 °C	1,951.1 µS/cm	0.24 mg/L	0.61 NTU	58.4 mV	10.30 ft	100.00 ml/min
8/9/2023 10:42 AM	40:00	4.80 pH	20.48 °C	1,953.0 µS/cm	0.23 mg/L	0.70 NTU	54.5 mV	10.30 ft	100.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-03	Grab.

Low-Flow Test Report:

Test Date / Time: 8/9/2023 1:52:17 PM
Project: GP-Plant Hammond
Operator Name: Anthony Szwast

Location Name: PT-04 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 24.07 ft** **Total Depth: 34.07 ft** **Initial Depth to Water: 14.54 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 29.07 ft** **Estimated Total Volume Pumped: 6 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883530**

Test Notes:
Five bottles: Baseline Sampling and Major Ions

Weather Conditions:
Partly cloudy, 75 Degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
8/9/2023 1:52 PM	00:00	6.46 pH	22.05 °C	1,661.2 µS/cm	0.16 mg/L	12.00 NTU	-29.5 mV	14.59 ft	200.00 ml/min
8/9/2023 1:57 PM	05:00	6.42 pH	21.47 °C	1,663.2 µS/cm	0.11 mg/L	11.20 NTU	9.5 mV	14.59 ft	200.00 ml/min
8/9/2023 2:02 PM	10:00	6.42 pH	21.68 °C	1,652.3 µS/cm	0.09 mg/L	7.82 NTU	12.0 mV	14.59 ft	200.00 ml/min
8/9/2023 2:07 PM	15:00	6.42 pH	21.42 °C	1,670.1 µS/cm	0.08 mg/L	3.83 NTU	14.6 mV	14.59 ft	200.00 ml/min
8/9/2023 2:12 PM	20:00	6.43 pH	21.02 °C	1,655.1 µS/cm	0.07 mg/L	3.56 NTU	19.0 mV	14.59 ft	200.00 ml/min
8/9/2023 2:17 PM	25:00	6.43 pH	20.65 °C	1,655.7 µS/cm	0.06 mg/L	0.04 NTU	16.5 mV	14.59 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-04	Grab.
HAM-AP2-FD-07	Grab.

Low-Flow Test Report:

Test Date / Time: 8/9/2023 4:59:22 PM
Project: GP-Plant Hammond
Operator Name: Anthony Szwast

Location Name: PT-05 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 25.39 ft** **Total Depth: 35.39 ft** **Initial Depth to Water: 14.84 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 30.39 ft** **Estimated Total Volume Pumped: 8 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.07 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883530**

Test Notes:
Five bottles: Baseline Sampling and Major Ions

Weather Conditions:
Sunny, 79 Degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
8/9/2023 4:59 PM	00:00	6.37 pH	21.76 °C	1,709.8 µS/cm	0.16 mg/L	36.10 NTU	43.6 mV	14.87 ft	200.00 ml/min
8/9/2023 5:04 PM	05:00	6.37 pH	22.05 °C	1,729.1 µS/cm	0.14 mg/L	24.60 NTU	91.9 mV	14.90 ft	200.00 ml/min
8/9/2023 5:09 PM	10:00	6.37 pH	21.96 °C	1,738.9 µS/cm	0.13 mg/L	18.70 NTU	112.2 mV	14.91 ft	200.00 ml/min
8/9/2023 5:14 PM	15:00	6.37 pH	21.86 °C	1,714.7 µS/cm	0.11 mg/L	17.50 NTU	96.9 mV	14.91 ft	200.00 ml/min
8/9/2023 5:19 PM	20:00	6.37 pH	21.87 °C	1,720.7 µS/cm	0.10 mg/L	13.60 NTU	90.0 mV	14.91 ft	200.00 ml/min
8/9/2023 5:24 PM	25:00	6.37 pH	21.87 °C	1,705.7 µS/cm	0.08 mg/L	15.50 NTU	92.7 mV	14.91 ft	200.00 ml/min
8/9/2023 5:29 PM	30:00	6.37 pH	21.68 °C	1,706.7 µS/cm	0.07 mg/L	9.15 NTU	83.3 mV	14.91 ft	200.00 ml/min
8/9/2023 5:34 PM	35:00	6.36 pH	21.96 °C	1,710.0 µS/cm	0.07 mg/L	4.81 NTU	82.3 mV	14.91 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-05	Grab.

Low-Flow Test Report:

Test Date / Time: 8/9/2023 3:18:14 PM
Project: GP-Plant Hammond
Operator Name: Anthony Szwast

Location Name: PT-06 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 26 ft** **Total Depth: 35.22 ft** **Initial Depth to Water: 14.68 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 31 ft** **Estimated Total Volume Pumped: 6 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883530**

Test Notes:
Five bottles: Baseline Sampling and Major Ions

Weather Conditions:
Sunny, 77 Degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
8/9/2023 3:18 PM	00:00	6.41 pH	24.08 °C	1,596.0 µS/cm	0.16 mg/L	22.70 NTU	34.3 mV	14.76 ft	200.00 ml/min
8/9/2023 3:23 PM	05:00	6.30 pH	22.45 °C	1,679.5 µS/cm	0.10 mg/L	26.90 NTU	76.9 mV	14.73 ft	200.00 ml/min
8/9/2023 3:28 PM	10:00	6.31 pH	21.58 °C	1,638.8 µS/cm	0.06 mg/L	26.60 NTU	95.0 mV	14.75 ft	200.00 ml/min
8/9/2023 3:33 PM	15:00	6.29 pH	21.33 °C	1,636.8 µS/cm	0.04 mg/L	9.62 NTU	92.8 mV	14.75 ft	200.00 ml/min
8/9/2023 3:38 PM	20:00	6.30 pH	21.10 °C	1,620.0 µS/cm	0.03 mg/L	6.62 NTU	99.6 mV	14.78 ft	200.00 ml/min
8/9/2023 3:43 PM	25:00	6.31 pH	21.23 °C	1,612.1 µS/cm	0.02 mg/L	2.30 NTU	99.4 mV	14.78 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-06	Grab.

Calibration Forms

Geosyntec consultants

EQUIPMENT CALIBRATION LOG

Field Technician: Alana Neely | Date: 7/14/23 | Time (start): 0730 | Time (finish): 0745

smarTroll SN: 884187 | Turbidity Meter Type: LaMote 2020we | SN: 7009-1416

Weather Conditions: 73-93°, Cloudy | Facility and Unit: plant Hammond | Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	22250153 11/23	27.25	4490	4508.8	4486.0	+/- 5 %	(Yes) No	
pH (4)			4.00	4.03	4.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (4) check	-	-	4.00	-	-	+/- 0.1 SU	Yes No	
pH (7)	22168933 11/23	27.01	7.00	7.36	6.99	+/- 0.1 SU	(Yes) No	
Mid-Day pH (7) check	-	-	7.00	-	-	+/- 0.1 SU	Yes No	
pH (10)	21320202 12/23	26.31	10.00	9.73	10.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (10) check	-	-	10.00	-	-	+/- 0.1 SU	Yes No	
ORP (mV)	21390144 11/23	25.73	228	222.6	228.1	+/- 20mV	(Yes) No	
DO (%) (1pt, 100% water saturated air cal)	[redacted]		100	98.43%	100.54%	+/- 6 % saturation	(Yes) No	
Turbidity 0 NTU			0	0.21	0.01	+/- 0.5 NTU	(Yes) No	
Turbidity 1 NTU			1.00	0.55	0.70	+/- 0.5 NTU	(Yes) No	
Turbidity 10 NTU			10.00	11.53	10.01	+/- 0.5 NTU	(Yes) No	

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EQUIPMENT CALIBRATION LOG

Field Technician: Alana Kelly | Date: 7/17/23 | Time (start): 0855 | Time (finish): 0915

smarTroll SN: 884187 | Turbidity Meter Type: LaMote 2020we | SN: 7009-1416

Weather Conditions: 66-93°, sunny | Facility and Unit: Plant Hammond | Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	22250153 11123	25.52	4490	4440.8	4492.1	+/- 5 %	(Yes) No	
pH (4)			4.00	4.05	4.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (4) check	–	–	4.00	–	–	+/- 0.1 SU	Yes No	
pH (7)	22160893 11123	25.45	7.00	7.32	7.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (7) check	–	–	7.00	–	–	+/- 0.1 SU	Yes No	
pH (10)	21320W2 12123	24.03	10.00	9.03	10.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (10) check	–	–	10.00	–	–	+/- 0.1 SU	Yes No	
ORP (mV)	2139.0144 11123	23.02	228	227.0	228.0	+/- 20mV	(Yes) No	
DO (%) (1pt, 100% water saturated air cal)	[redacted]		100	100.42	100.25	+/- 6 % saturation	(Yes) No	
Turbidity 0 NTU	[redacted]		0	0.14	0.01	+/- 0.5 NTU	(Yes) No	
Turbidity 1 NTU	[redacted]		1.00	0.70	0.95	+/- 0.5 NTU	(Yes) No	
Turbidity 10 NTU	[redacted]		10.00	11.51	10.01	+/- 0.5 NTU	(Yes) No	

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EQUIPMENT CALIBRATION LOG

Field Technician: Mana Neely

Date: 7/18/23

Time (start): 0755

Time (finish): 0810

smarTroll SN: 884187

Turbidity Meter Type: LaMote 2020we

SN: 7009-1416

Weather Conditions: 67-93° sunny

Facility and Unit: Plant Hammond

Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	22250153 11/23	23.95	4490	4490.7	4490.8	+/- 5 %	(Yes) No	
pH (4)			4.00	4.04	4.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (4) check	–	–	4.00	–	–	+/- 0.1 SU	Yes No	
pH (7)	22168931 11/23	23.68	7.00	7.35	7.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (7) check	–	–	7.00	–	–	+/- 0.1 SU	Yes No	
pH (10)	21320202 12/23	23.28	10.00	9.68	10.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (10) check	–	–	10.00	–	–	+/- 0.1 SU	Yes No	
ORP (mV)	21390144 11/23	22.72	228	226.3	228.1	+/- 20mV	(Yes) No	
DO (%) (1pt, 100% water saturated air cal)			100	100.00%	100.00%	+/- 6 % saturation	(Yes) No	
Turbidity 0 NTU			0	0.22	0.06	+/- 0.5 NTU	(Yes) No	
Turbidity 1 NTU			1.00	0.60	0.96	+/- 0.5 NTU	(Yes) No	
Turbidity 10 NTU			10.00	11.38	9.96	+/- 0.5 NTU	(Yes) No	

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EQUIPMENT CALIBRATION LOG

Field Technician: Mana Nelly

Date: 7/19/23

Time (start): 0745

Time (finish): 0800

smarTroll SN: 884187

Turbidity Meter Type: LaMote 2020we

SN: 7009-1416

Weather Conditions: 68-93° cloudy

Facility and Unit: Plant Hammond

Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	22250153 11/23	24.77	4490	4479.0	4485.6	+/- 5 %	(Yes) No	
pH (4)			4.00	4.03	3.99	+/- 0.1 SU	(Yes) No	
Mid-Day pH (4) check	–	–	4.00	–	–	+/- 0.1 SU	Yes No	
pH (7)	22168933 11/23	24.65	7.00	7.38	7.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (7) check	–	–	7.00	–	–	+/- 0.1 SU	Yes No	
pH (10)	21320202 12/23	24.27	10.00	9.64	10.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (10) check	–	–	10.00	–	–	+/- 0.1 SU	Yes No	
ORP (mV)	21390144 11/23	23.89	228	222.5	228.1	+/- 20mV	(Yes) No	
DO (%) (1pt, 100% water saturated air cal)	[redacted]		100	98%	100.01%	+/- 6 % saturation	(Yes) No	
Turbidity 0 NTU			0	0.44	0.00	+/- 0.5 NTU	(Yes) No	
Turbidity 1 NTU			1.00	0.69	0.94	+/- 0.5 NTU	(Yes) No	
Turbidity 10 NTU			10.00	11.08	9.99	+/- 0.5 NTU	(Yes) No	

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EQUIPMENT CALIBRATION LOG

Field Technician: C-CAIN | Date: 8/9/23 | Time (start): 0815 | Time (finish): 0845

smarTroll SN: 883553 | Turbidity Meter Type: Laotte 2020 | SN: 4121-7623

Weather Conditions: fog 68 | Facility and Unit: Plant Hammond | Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	22250153 11/23	22.78	~~4578.8 8/9/23~~ 4490	4573.5	4490	+/- 5 %	(Yes) No	
pH (4)			4.0	4.07	4.0	+/- 0.1 SU	Yes No	
Mid-Day pH (4) check	〃 〃	—	4.0	4.02	—	+/- 0.1 SU	Yes No	
pH (7)	2246893 11/23	23.43	7.0	7.05	7.0	+/- 0.1 SU	(Yes) No	
Mid-Day pH (7) check	〃 〃	—	7.0	7.0	—	+/- 0.1 SU	Yes No	
pH (10)	22110130 8/23	23.75	10.0	10.05	10	+/- 0.1 SU	(Yes) No	
Mid-Day pH (10) check	〃 〃	—	10.0	10.03	—	+/- 0.1 SU	Yes No	
ORP (mV)	21390144 11/23	23.81	228	227.1	228	+/- 20mV	(Yes) No	
DO (%) (1pt, 100% water saturated air cal)			100	95.23	100	+/- 6 % saturation	(Yes) No	
Turbidity 0 NTU			0	0.00	0.00	+/- 0.5 NTU	(Yes) No	
Turbidity 1 NTU			1	1.43	1.13	+/- 0.5 NTU	(Yes) No	
Turbidity 10 NTU			10	10.75	10	+/- 0.5 NTU	(Yes) No	

Geosyntec consultants

EQUIPMENT CALIBRATION LOG

Field Technician: A. Szwast | Date: 8/9/2023 | Time (start): 1145 | Time (finish): 1205

smarTroll SN: 883530 | Turbidity Meter Type: LaMotte 2020t | SN: 4139-2623

Weather Conditions: Partly cloudy, 73°F | Facility and Unit: Plant Hammond | Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	22250153 11/2023	24.50	4,490	4250.9	4490.0	+/- 5 %	(Yes) No	
pH (4)			4.00	4.45	4.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (4) check						+/- 0.1 SU	Yes No	
pH (7)	2216893 11/2023	24.85	7.00	7.32	7.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (7) check						+/- 0.1 SU	Yes No	
pH (10)	21320202 12/2023	25.05	10.00	10.54	10.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (10) check						+/- 0.1 SU	Yes No	
ORP (mV)	21390144 11/2023	25.06	228.0	225.9	228.0	+/- 20mV	(Yes) No	
DO (%) (1pt, 100% water saturated air cal)	[redacted]	[redacted]	~~101.24~~ 100.00 8-9-2023	101.24	100.0	+/- 6 % saturation	(Yes) No	
Turbidity 0 NTU	[redacted]	[redacted]	0.00	0.00	—	+/- 0.5 NTU	(Yes) No	
Turbidity 1 NTU	[redacted]	[redacted]	1.00	1.08	—	+/- 0.5 NTU	(Yes) No	
Turbidity 10 NTU	[redacted]	[redacted]	10.00	10.7	9.89	+/- 0.5 NTU	(Yes) No	

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EQUIPMENT CALIBRATION LOG

Field Technician: Thomas Hessler | Date: 8/9/23 | Time (start): 0800 | Time (finish): 0825

smarTroll SN: 650729 | Turbidity Meter Type: LaMotte 2020we | SN: 1475-21011

Weather Conditions: Sergeant 75° | Facility and Unit: Plant Hammond | Project No: 610585

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	22250853 11/23	21.91	4490	4562	4490	+/- 5 %	Yes / No	
pH (4)			4	4.04	4.0	+/- 0.1 SU	Yes / No	
Mid-Day pH (4) check	↓	22	4	4.03	—	+/- 0.1 SU	Yes / No	
pH (7)	22K6873 11/23	22.77	~~7.06~~ 7.00	7.05	7.00	+/- 0.1 SU	Yes / No	
Mid-Day pH (7) check	↓	22	7	6.98	—	+/- 0.1 SU	Yes / No	
pH (10)	21320202 12/23	22.62	10.00	10.01	10.0	+/- 0.1 SU	Yes / No	
Mid-Day pH (10) check	↓	22	10	9.91	—	+/- 0.1 SU	Yes / No	
ORP (mV)	22760085 8/23		278	277.7	278	+/- 20mV	Yes / No	
DO (%) (1pt, 100% water saturated air cal)	[redacted]		100	99.08	100	+/- 6 % saturation	Yes / No	
Turbidity 0 NTU	[redacted]		0	.53	0	+/- 0.5 NTU	Yes / No	
Turbidity 1 NTU	[redacted]		1	.56	.93	+/- 0.5 NTU	Yes / No	
Turbidity 10 NTU	[redacted]		10	10.35	10.1	+/- 0.5 NTU	Yes / No	

APPENDIX C

Injection Field Forms

Injectate Batch Preparation Log

Project Name: Plant Hammond AP-2 CA
Project Number: G-065816
Well: INW-01 and
Date: 9-6-2023
Page 1 of 1
Field Personnel: AS
Weather: Partly cloudy, 90 °F

	Batch #	Tank Fill			Bicarbonate		Geochemical Parameters						Comments
		Start Time (hr:mm)	End Time (hr:mm)	Volume (gallons)	Time (hr:mm)	Amount (lb)	Time (hr:mm)	Temp (°C)	pH (SU)	Sp. Cond (µs/cm³)	DO (mg/L)	ORP (mV)	
9-6-23	1	1255	1305	100	—	—	1310	26.22	6.34	221.67	8.04	141.5	Only injected 16.5 gal
9-6-23	2	1500	1505	150	1514	12.5	1558	27.80	8.26	8844.2	7.52	98.2	15 gals remaining
9-7-23	3	0855	0902	275	955	23	1001	20.39	8.21	9736.5	8.72	207.1	
9-8-2023	3	—	—	—	—	9-8-23	1718	24.73	8.43	9731.0	6.50	107.7	
9-9-23	4	0813	0818	250	820	22.4	825	19.65	8.33	8965.8	8.82	469.9	
9-9-23	~~5~~	~~1040~~	~~105~~	~~275~~		~~23~~	1215	20.46	8.29	~~8563.1~~	~~8.47~~	~~128.7~~	9-9-23
9-10-23	5	1540	1550	300	1550	25	1800	22.29	8.46	8922.9	9.19	105.7	

Injectate Batch Preparation Log

Project Name: Plant Hammond AP-2 Corrective Action Page 1 of 1
Project Number: GW65816 Field Personnel: AS
Well Date: INW-02 Weather: Sunny

	Batch #	Tank Fill			Bicarbonate		Geochemical Parameters						Comments
		Start Time (hr:mm)	End Time (hr:mm)	Volume (gallons)	Time (hr:mm)	Amount (lb)	Time (hr:mm)	Temp (°C)	pH (SU)	Sp. Cond (µs/cm³)	DO (mg/L)	ORP (mV)	
9-9-23	1	1035	1055	275	1035	23	1215	20.46	8.29	8563.1	8.47	128.7	
9-10-23	2	1001	1007	275	1001	24	1026	22.16	8.33	9287.8	8.33	127.0	
9-10-23	3	1223	1315	275	1223	28.4	1329	22.44	8.35	8998.5	8.29	120.2	
9-10-23	4	1223	1400	300	1223	20.2	1454	22.20	8.36	11,146	8.39	125.7	
9-10-23	5	1545	1600	300	1600	25	1628	22.30	8.40	7701.7	8.66	110.6	
9-11-23	6	0745	0800	300	0745	25	0844	21.63	8.37	8274.3	8.70	166.2	
9-11-23	7	0915	0930	275	0915	23	1116	22.24	8.37	9021.9	8.62	163.8	
9-11-23	8	1200	1210	275	1200	23	1339	23.36	8.38	7668.5	8.47	158.7	
9-11-23	9	1355	1405	275	1355	46	@ 9-12-23				@ 9-12-23		Split into 9A and 9B, diluting 1:1 with potable water
9-11-23	9A	1545	1550	275	1355	23	0810	21.20	8.46	5794.8	~~1341.6~~	181.0	DO=8.90
9-11-23	9B	1550	1555	275	1355	23	0940	21.94	8.44	13473.0	8.43	197.8	
9-12-23	10	1015	1025	275	1015	23	1107	22.39	8.36	8643.1	8.70	188.0	
9-12-23	11	1130	1140	275	1130	23	1219	22.66	8.39	8268.9	8.63	191.6	
9-12-23	12	1330	1340	275	1330	23	1433	24.14	8.36	10,073	8.37	188.7	
9-11-23	13	1325	1335	275	1325	23 @ 9-13-23	1613	26.04	8.51	9117.7	8.24	199.8	Prepared on 9/11 for INW-01. Transferred to INW-02 on 9-12
9-13-23	14	0810	0820	275	0810	23	0910	21.44	8.39	8233.3	8.47	180.9	
9-13-23	15	0900	0910	275	0900	23	1047	22.39	8.37	8383.4	8.46	191.1	
9-13-23	16	1110	1120	275	1110	23	1153	22.36	8.39	9944.9	8.27	195.0	
9-13-23	17	1300	1310	275	1300	23	1333	22.70	8.37	8283.7	8.39	194.1	
9-13-23	18	1400	1410	275	1400	23	1456	22.30	8.40	9457.5	8.33	194.4	
						@ 9-13-2023							

Injection Log

Project Name: Plant Hammond AP-2 Corrective Measures **Date:** 9/6/2023 Page 1 of 1
Project Number: GW65816 **Weather:** Partly cloudy, 90° F
Field Personnel: AS **Activity:** $NaHCO_3$ Injections

Location: MW-33/MW-35 **Start: Date** 9/6/2023 **Time** 1321 **Finish: Date** 9/12/23 **Time** 1408

Date	Well ID	Start Time (hr:mm)	Stop Time (hr:mm)	Volume Injected (gal)	Injection Pressure (psi)	Flowrate (GPM)	Notes
9-6-2023	INW-01	1321	1345	8.5	1.0	0.25	Water only, batch 1 from forklift
	INW-01	1416	1439	8.0	2.1	0.75	water only, batch 1, from dike
	INW-01	1524	1730	120	3.0	0.67	Batch 2,
9-7-2023	INW-01	0756	0825	15	1.3	0.50	Batch 2, reading
		0957	—	—	4.4	1.0	close valve some to reduce pressure Batch 3
		1016	—	~~19~~ @ 9-7-23	2.2	1.0	Pressure stabilizes
		1030	1030	32	2.2	1.0	Daylighting, stop flow
		1055	—	—	—	—	Remove ~150 gallons
		1130	—	—	1.3	0.6	
		1137	1137	4	1.3	—	Daylighting, stop flow
		1310	—	—	0.0	0.5	
		1318	—	4	0.0	0.5	Open valve further
		1321	1322	2.5	1.2	1.0	Daylighting, stop flow
		1400	1404	—	0.0	0	Elevated from forklift, hose in well screen No flow
		1410	1420	5	0.0	0.5	Daylighting. Hose positioned at top of casing
		1517	1722	30	0.0	~0.2	Trickle flow. Hose above water table
9-8-2023	INW-01	0819	—	6 ~~17~~ @ 9-8-23	—	4 gph	Hose above water table. Trickle flow
		0953	1150	36	—	0.3	Open valve by a hair,
		1224	—	20	—	0.25	Refill tank with Batch 3
		1400	—	17	—	0.2	
		1523	1709	14	—	0.18	
9-9-2023	INW-01	0907	—	1	—	0.13	Peri pump on. Refill fill w/ batch 4
		0913		200	—	0.2	Peri pump off, siphon
9-10-2023	INW-01	0730	1530	74	—	0.15	
9-10-23		1555	~~1530~~ @ 9-10-23	10	—	0.10	Refill tote with Batch 5
9-10-23		1755	—	~~10~~ @ 9-10-23 130	—	0.15	
9-11-23	INW-01	0740	—	20	—	0.10	
		1150	—	40	—	0.14	Add 105 gallons
		1630		125	—	0.14	
9-12-23	INW-01	737	1408	55	—	0.14	

Injection Log

Project Name: Plant Hammond AP-2 CA
Project Number: GW65816
Field Personnel: AS
Date: 9/8/23 - 9/10
Weather: Sunny, 67-89 °F
Activity: NaHCO3 Injections
Page 1 of 3

Location: HGWC-18 Area
Start: Date 9/9/23 **Time** 1221
Finish: Date 9-13-2023 **Time** 1559

Date	Well ID	Start Time (hr:mm)	Stop Time (hr:mm)	Volume Injected (gal)	Injection Pressure (psi)	Flowrate (GPM)	Notes
9-9-23	INW-02	1221	—	6	0.0	2	Open valve 1/2 way. Batch 1
		1224	—	22	0.0	2	Fully open valve
		1235	—	40	0.0	1.6	
		1300	—	76	0.0	0.5	
		1545	—	1	0.0	0.1	
		1555	—	—	0.0	0.03	
9-10-23		—	812	30	—	—	Total injected: 175 gal
	INW-02	0814	821	7	—	1	Batch 1. Hose submerged in well
		0824		4.8	—	1.2	raise tank to restart flow.
		0828		2.4	—	1.2	
		0830		21	—	2.1	
		0840		34.2	—	3.8	
		0849		34.2	—	3.8	
		0858	0859	3.4	—	3.5	Tank empty. Total 100 gal
	INW-02	1045		100	—	5.0	Batch 2
		1105	1150	175	—	4.6	tank empty. Total 275 gal.
		1335		92	—	4.6	Batch 3
		1355		53	—	4.4	
		1407		99	—	4.3	
	INW-02	1430	1442	31	—	4.0	Tote empty. Total 275 gal
		1500		125	—	5.0	Batch 4
		1525		140	—	4.6	
	INW-02	1600	1603	10	—	4.0	Tote empty. Total 275 gal
		1645		90	—	6.0	Batch 5
		1700		90	—	5.0	
	INW-02	1718	1740	95	—	5.0	Tote empty. Total 275 gal

Injection Log

Project Name:	Plant Hammond AP-2 CA	**Date:**	9/11/23-9/12/23 Page 2 of 3
Project Number:	0W6581G	**Weather:**	Sunny, 67-89°F
Field Personnel:	AS	**Activity:**	$NaHCO_3$ Injections

Location: HCWC-B Area	**Start: Date** 9/9/23 **Time** 1221	**Finish: Date** 9-13-23 **Time** 1559

	Well ID	Start Time (hr:mm)	Stop Time (hr:mm)	Volume Injected (gal)	Injection Pressure (psi)	Flowrate (GPM)	Notes
9-11-23	INW-02	0900	—		—	6.0	Batch 6
		0918	—		—	5.5	
		0933	—		—	5.2	
		0950	0953	275	—	5.0	
		1139	—		—	6.0	Batch 7
		1155	—		—	5.5	
		1212	—		—	5.0	
		1231	1234	275	—	4.7	
		1433	—		—	6.7	21" above ground (bottom of tank)
		1436	—		—	6.0	Batch 8
		1443	—		—	6.0	44" above ground
		1448	—		—	6.5	63" above ground
		1454	—		—	6.3	
		1459	—		—	6.7	86" above ground, WL 102"
		1503	—		—	6.4	
		1512	—		—	6.6	
		1513	1518	275	—	6.7	105" above ground
9-12-23	INW-02	0830	—		—	6.0	Ground surface. Batch 9A
		0848	—		—	5.5	
		0901	922	275	—	5.2	
		0950	—		—	6.0	Batch 9B
		1004	—		—	5.5	
		1041	1044	275	—	4.7	
		1112	—		—	6.0	Batch 10
		1155	—		—	5.0	
		1204	1207	275	—	4.6	

Injection Log

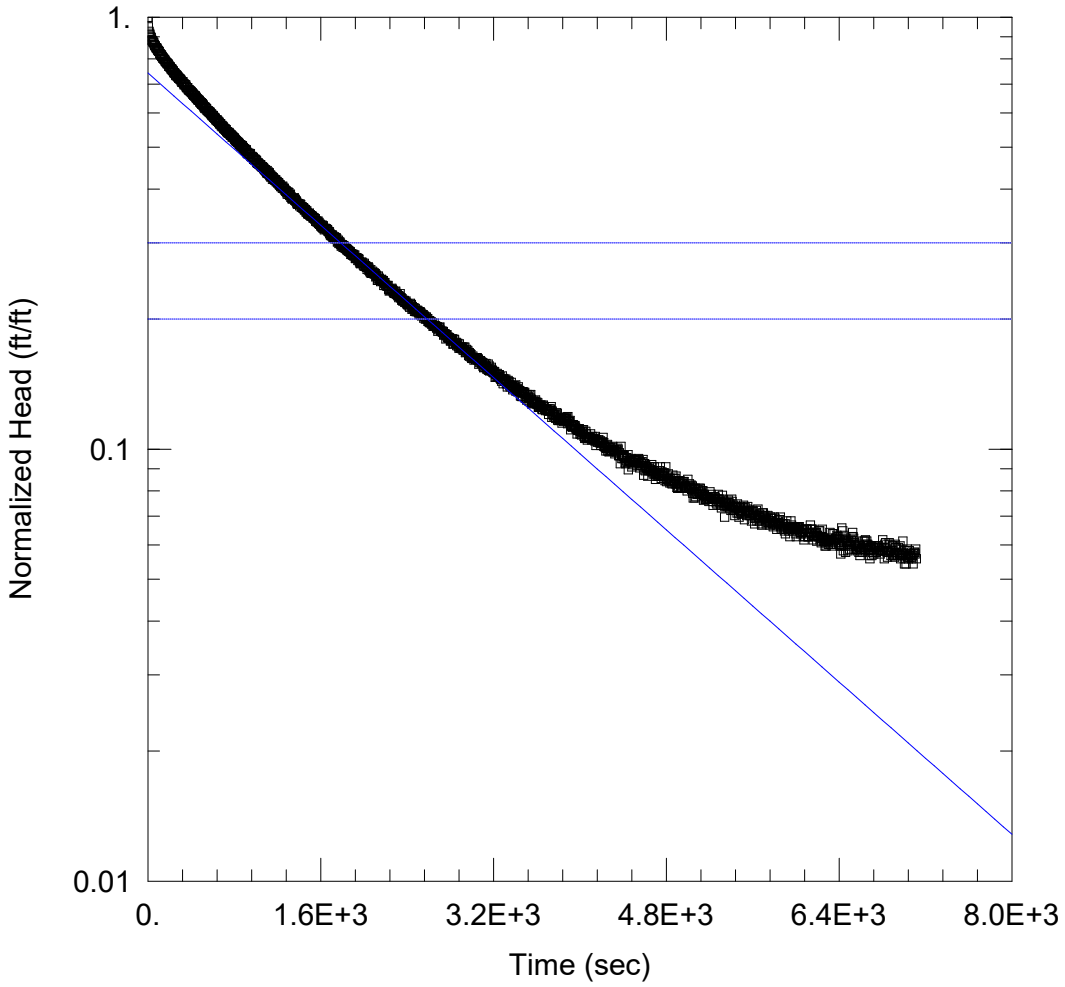
Project Name: Plant Hammond AP-2 CA
Project Number: GW65816
Field Personnel: AS
Date: 9/12/23-9/13/23 **Page** 3 of 3
Weather: Sunny, 67-89 °F
Activity: NaHCO3 Injections

Location: HGWW-19 Area
Start: Date 9/9/23 **Time** 1221
Finish: Date 9-13-23 **Time** 1559

	Well ID	Start Time (hr:mm)	Stop Time (hr:mm)	Volume Injected (gal)	Injection Pressure (psi)	Flowrate (GPM)	Notes
9-12-23	MW-02	1300	–		–	5.7	Batch 11
		1334	1356	275	–	4.8	
		1450	–		–	5.8	Batch 12
		1504	1550	275	–	5.2	
		1620	–		–	0.5	Batch 13. Start hose @ top of PVC
		1625	–		–	0.45	
		1630	–		–	0.6	Lower hose into well below WT, close valve some
		1635	–		–	0.54	
		1651	–		–	0.54	
		1708	–		–	0.33	
		1717	–		–	0.34	~250 gallons remaining
9-13-23	MW-02	–	0735	275	–	0.29	Find tote empty
		0920	–		–	1.0	Partially open valve. Batch 14
		0924	–		–	0.2	Partially close valve
		0928	–		–	0.16	
		0930	–		–	6.3	Fully open valve
		0942	–		–	5.6	
		1004	1021	275	–	~~6.3~~ 5.1	
		1047	–		–	5.6	Batch 15
		1116	–		–	5.1	
		1129	1142	275	–	5.0	
		1200	–		–	5.7	Batch 16
		1245	1257	275	–	4.7	
		1337	–		–	5.8	Batch 17
		1358	–		–	5.0	
		1419	1435	275	–	4.6	
		1500	–		–	5.5	Batch 18
		1518	–		–	5.0	
		1550	1559	275	–	4.5	

APPENDIX B

Slug Test Graphical Solutions and Model Parameters



INW-01 TEST 1

Data Set: \...\INW-01_T1_BR.aqt
Date: 07/13/23 Time: 12:40:40

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: INW-01
Test Date: 7/7/2023

AQUIFER DATA

Saturated Thickness: 13.72 ft Anisotropy Ratio (Kz/Kr): 0.1

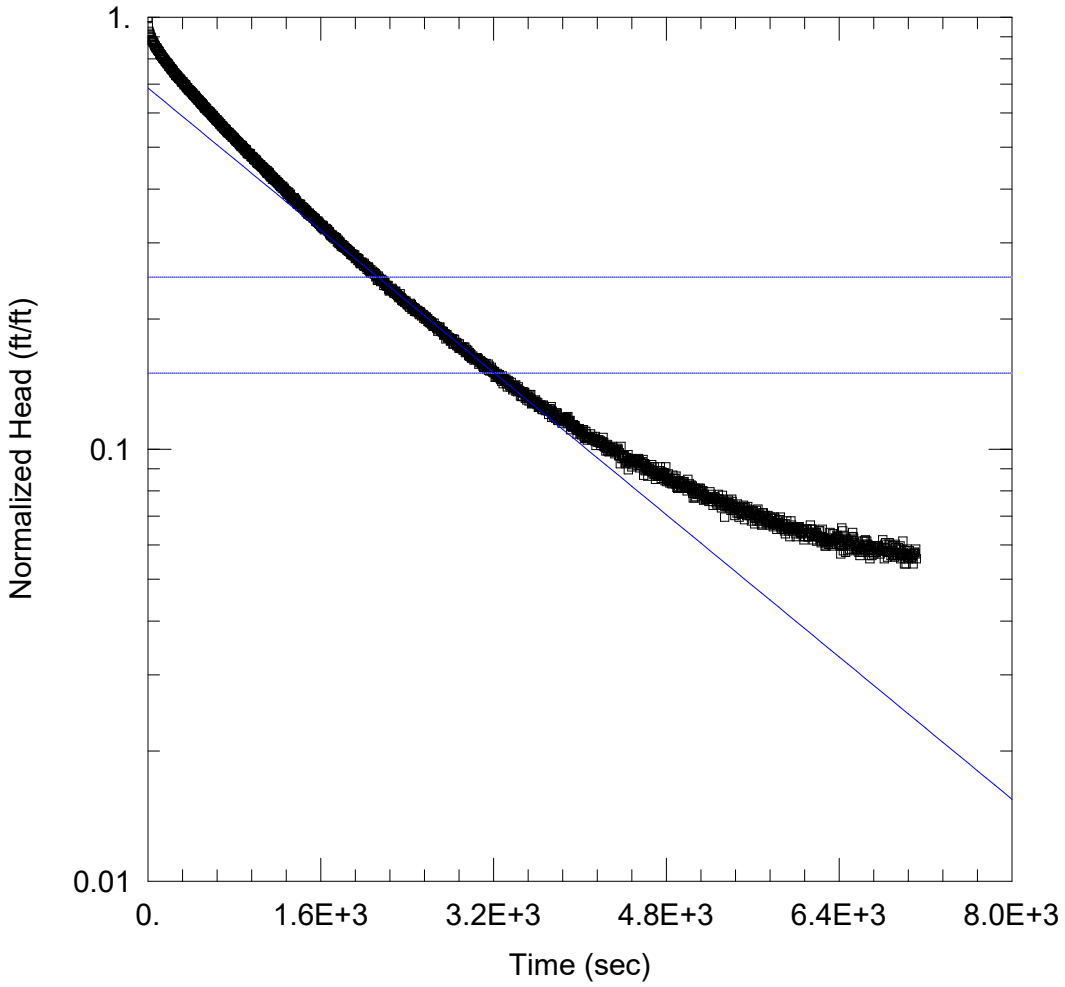
WELL DATA (INW-01)

Initial Displacement: 2.01 ft
Total Well Penetration Depth: 13.47 ft
Casing Radius: 0.083 ft
Static Water Column Height: 13.72 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 0.05027 ft/day
y0 = 1.491 ft



INW-01 TEST 1

Data Set: \...\INW-01_T1_HSV.aqt
Date: 07/13/23 Time: 12:41:34

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: INW-01
Test Date: 7/7/2023

AQUIFER DATA

Saturated Thickness: 13.72 ft Anisotropy Ratio (Kz/Kr): 0.1

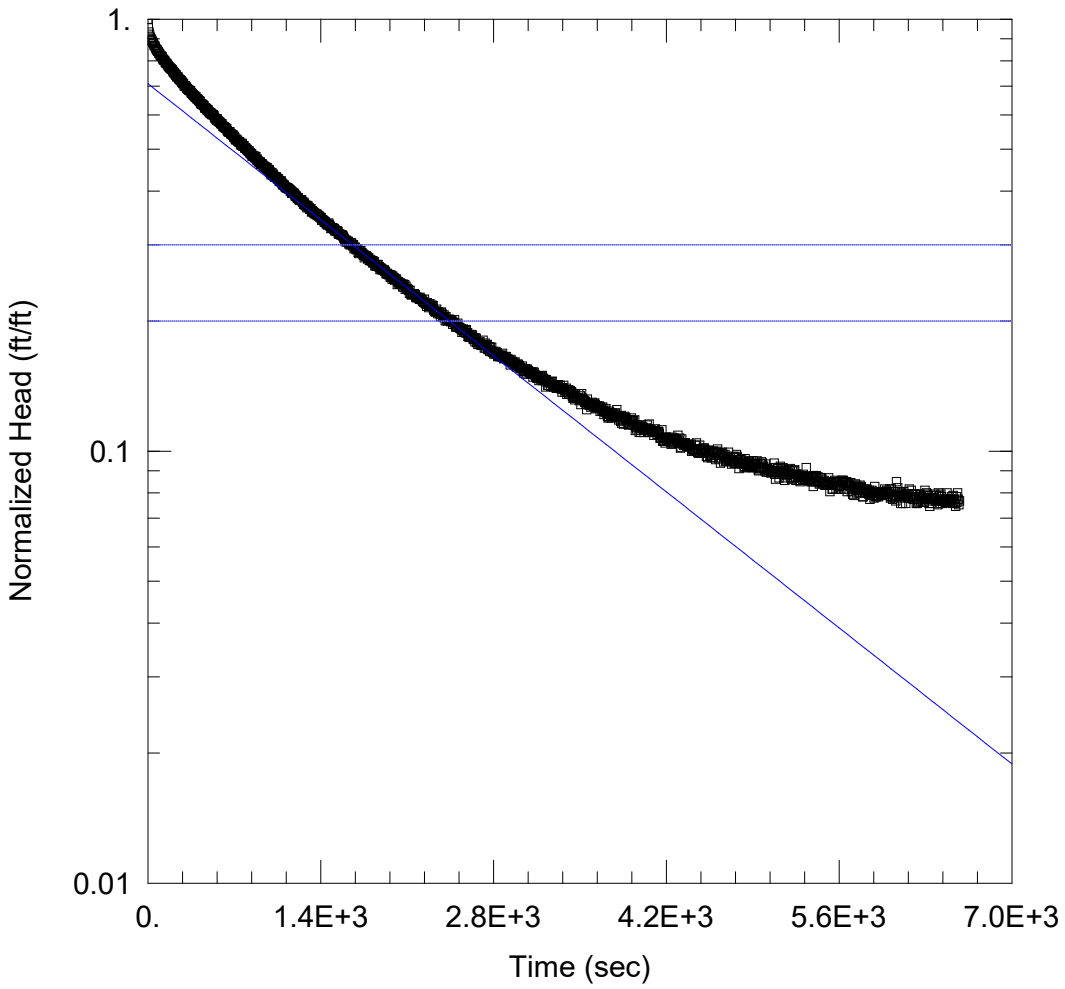
WELL DATA (INW-01)

Initial Displacement: 2.01 ft
Total Well Penetration Depth: 13.47 ft
Casing Radius: 0.083 ft
Static Water Column Height: 13.72 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Hvorslev

K = 0.05934 ft/day y0 = 1.378 ft



INW-01 TEST 2

Data Set: N:\...\INW-01_T2_BR.aqt
Date: 07/13/23 Time: 13:49:50

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: INW-01
Test Date: 7/7/2023

AQUIFER DATA

Saturated Thickness: 13.75 ft Anisotropy Ratio (Kz/Kr): 0.1

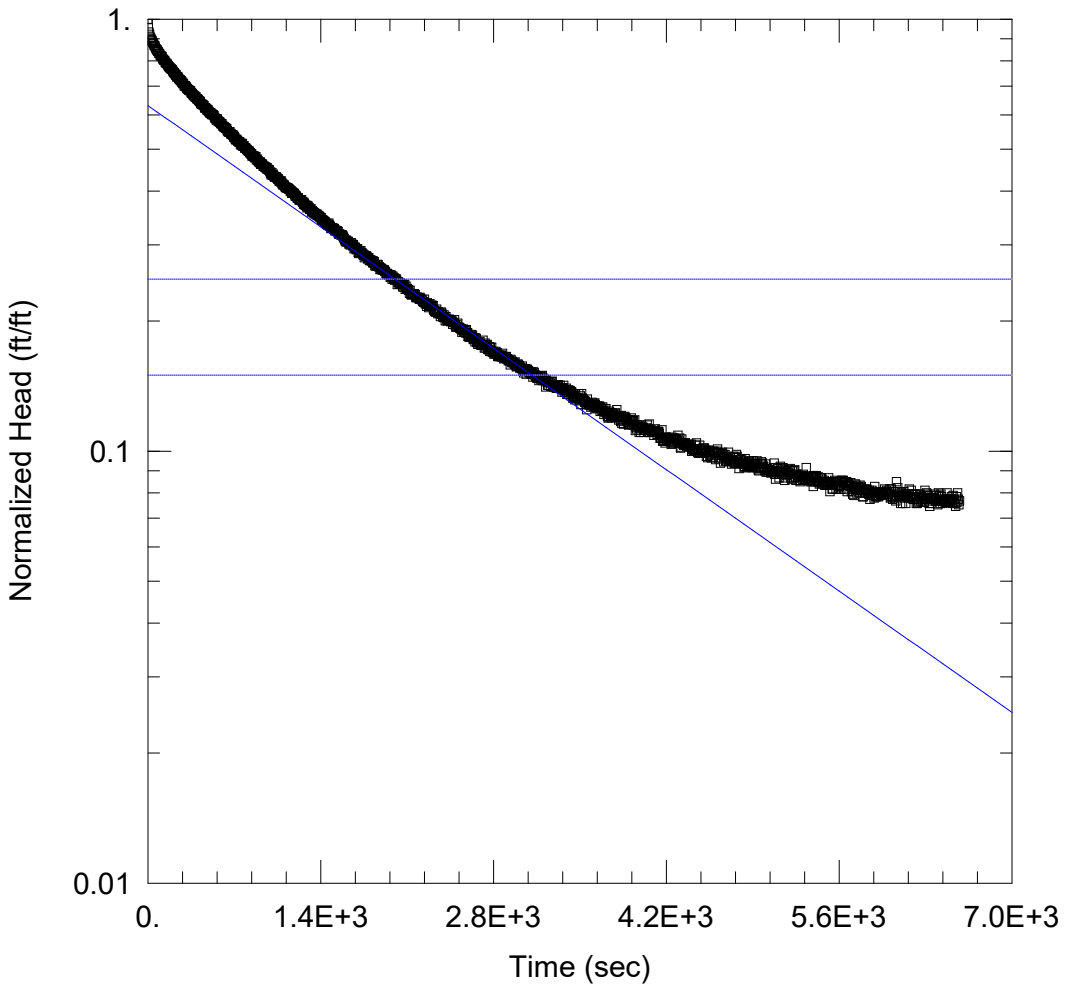
WELL DATA (INW-01)

Initial Displacement: 1.811 ft
Total Well Penetration Depth: 13.5 ft
Casing Radius: 0.083 ft
Static Water Column Height: 13.75 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.05136 ft/day y0 = 1.283 ft



INW-01 TEST 2

Data Set: N:\...\INW-01_T2_HSV.aqt
Date: 07/13/23 Time: 13:51:05

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: INW-01
Test Date: 7/7/2023

AQUIFER DATA

Saturated Thickness: 13.75 ft Anisotropy Ratio (Kz/Kr): 0.1

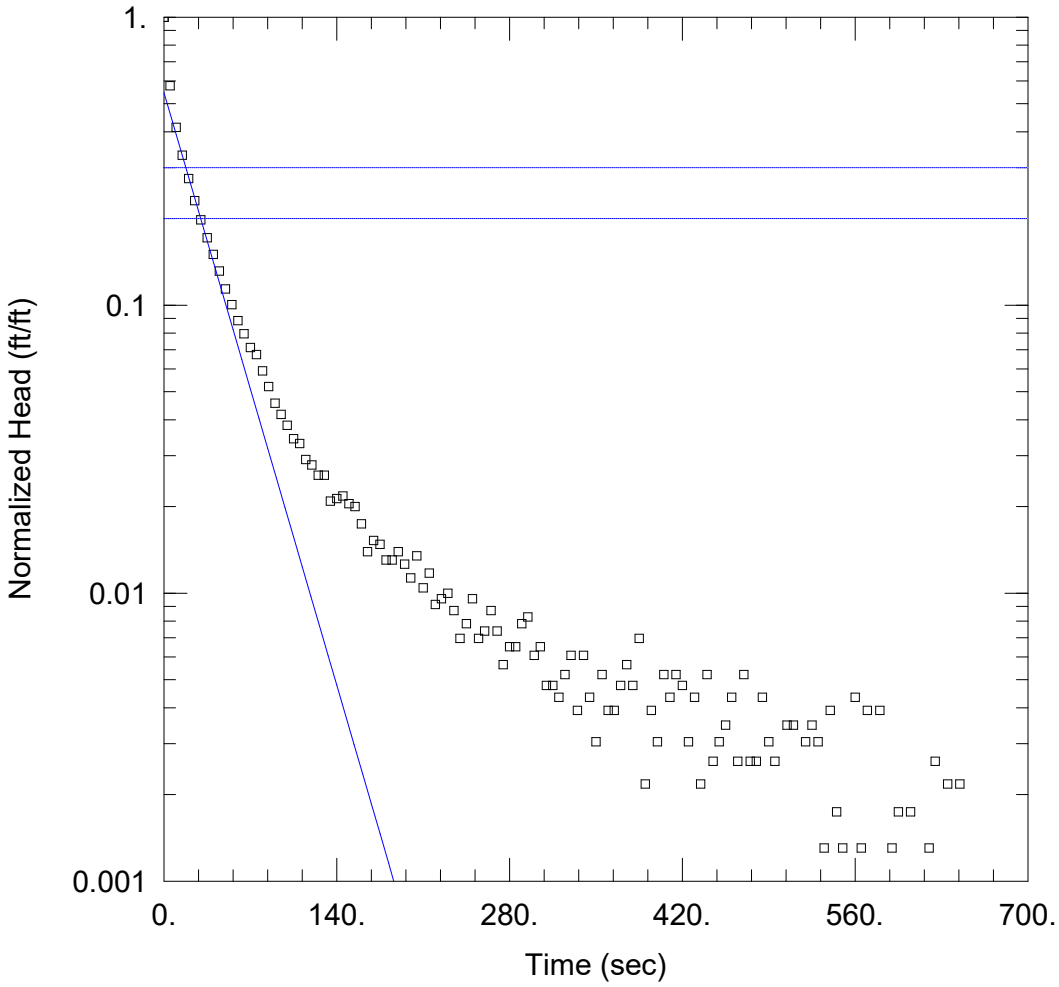
WELL DATA (INW-01)

Initial Displacement: 1.811 ft
Total Well Penetration Depth: 13.5 ft
Casing Radius: 0.083 ft
Static Water Column Height: 13.75 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Hvorslev

K = 0.05787 ft/day y0 = 1.142 ft



INW-02 TEST 1

Data Set: N:\...\INW-02_T1_BR.aqt
Date: 07/13/23 Time: 12:38:29

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: INW-02
Test Date: 6/27/2023

AQUIFER DATA

Saturated Thickness: 20.17 ft Anisotropy Ratio (Kz/Kr): 0.1

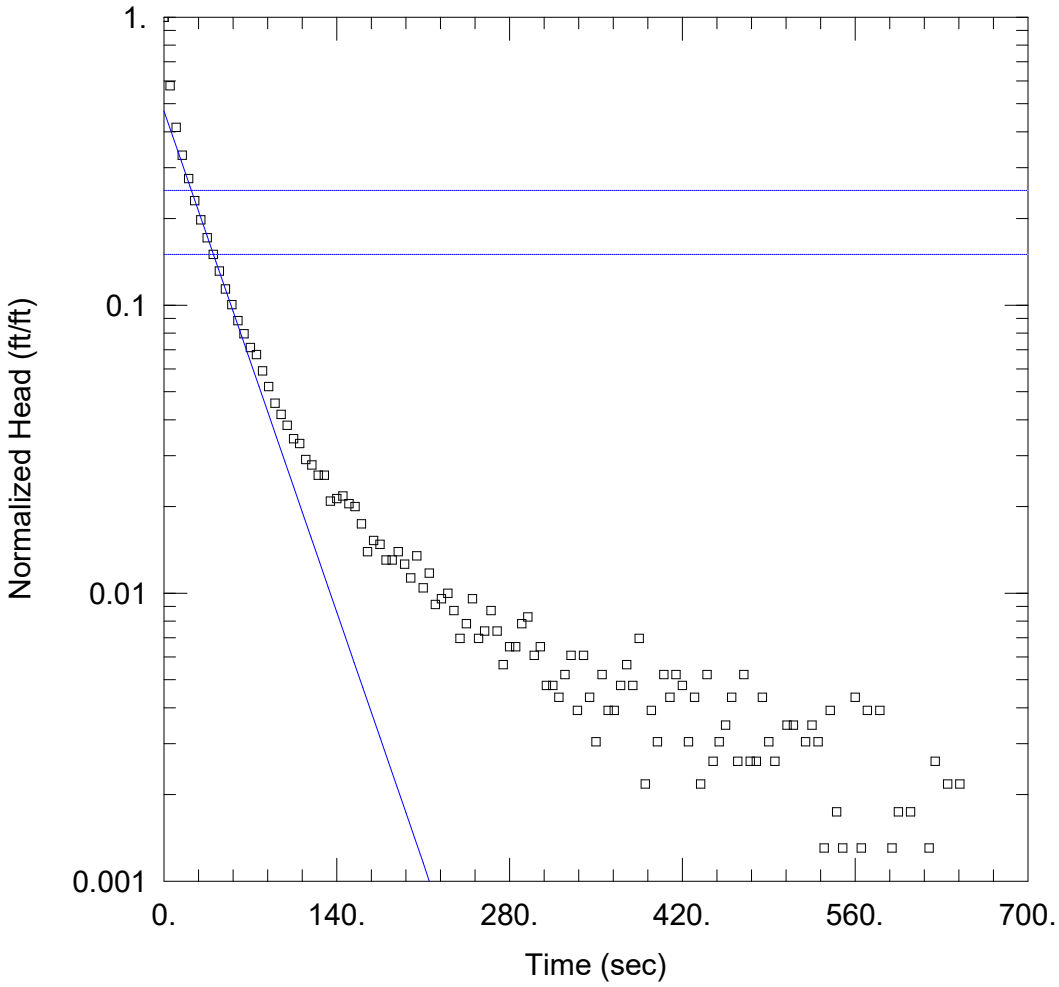
WELL DATA (INW-02)

Initial Displacement: 2.3 ft
Total Well Penetration Depth: 19.92 ft
Casing Radius: 0.083 ft
Static Water Column Height: 20.17 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 3.56 ft/day y0 = 1.257 ft



INW-02 TEST 1

Data Set: N:\...\INW-02_T1_HSV.aqt
Date: 07/13/23 Time: 12:39:40

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: INW-02
Test Date: 6/27/2023

AQUIFER DATA

Saturated Thickness: 20.17 ft Anisotropy Ratio (Kz/Kr): 0.1

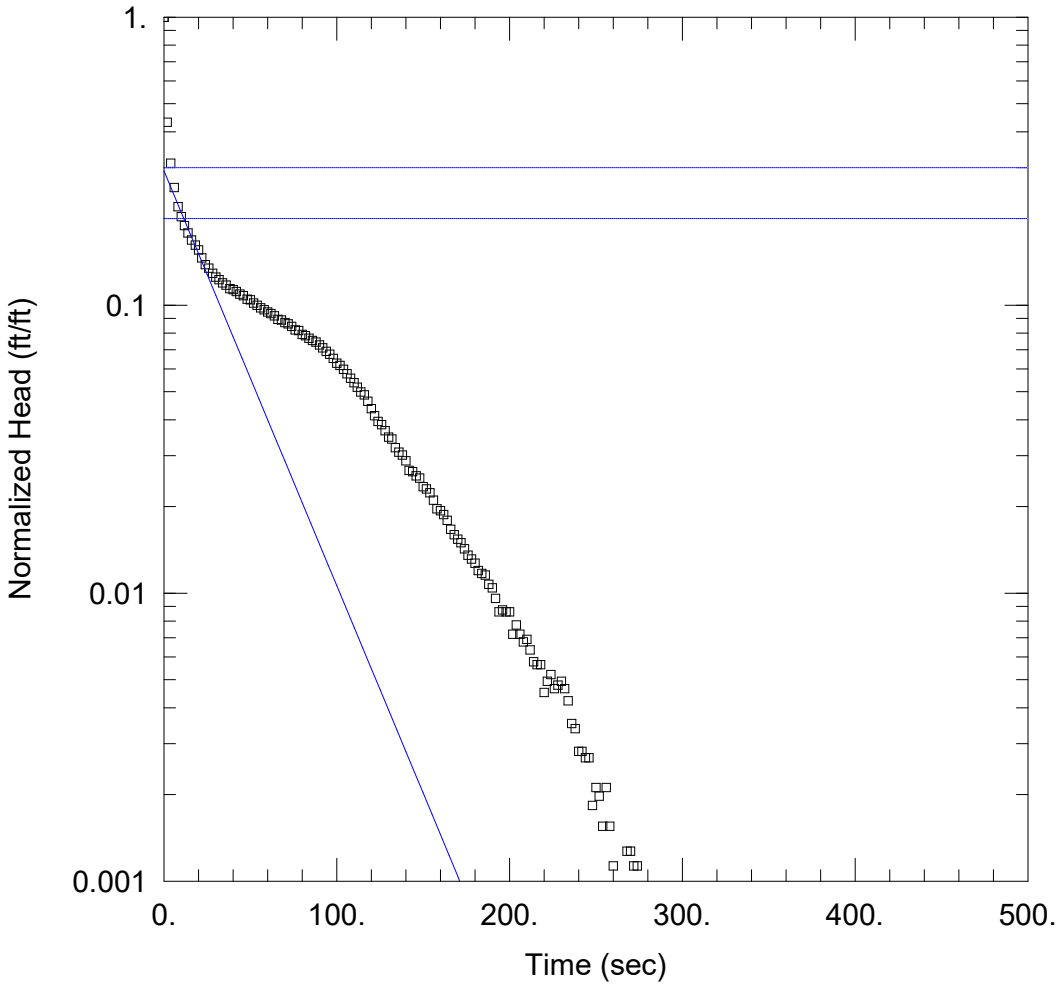
WELL DATA (INW-02)

Initial Displacement: 2.3 ft
Total Well Penetration Depth: 19.92 ft
Casing Radius: 0.083 ft
Static Water Column Height: 20.17 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Hvorslev

K = 3.584 ft/day y0 = 1.087 ft



INW-02 TEST 2

Data Set: \...\INW-02_T2_BR.aqt
Date: 07/13/23 Time: 14:14:43

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: INW-02
Test Date: 6/27/2023

AQUIFER DATA

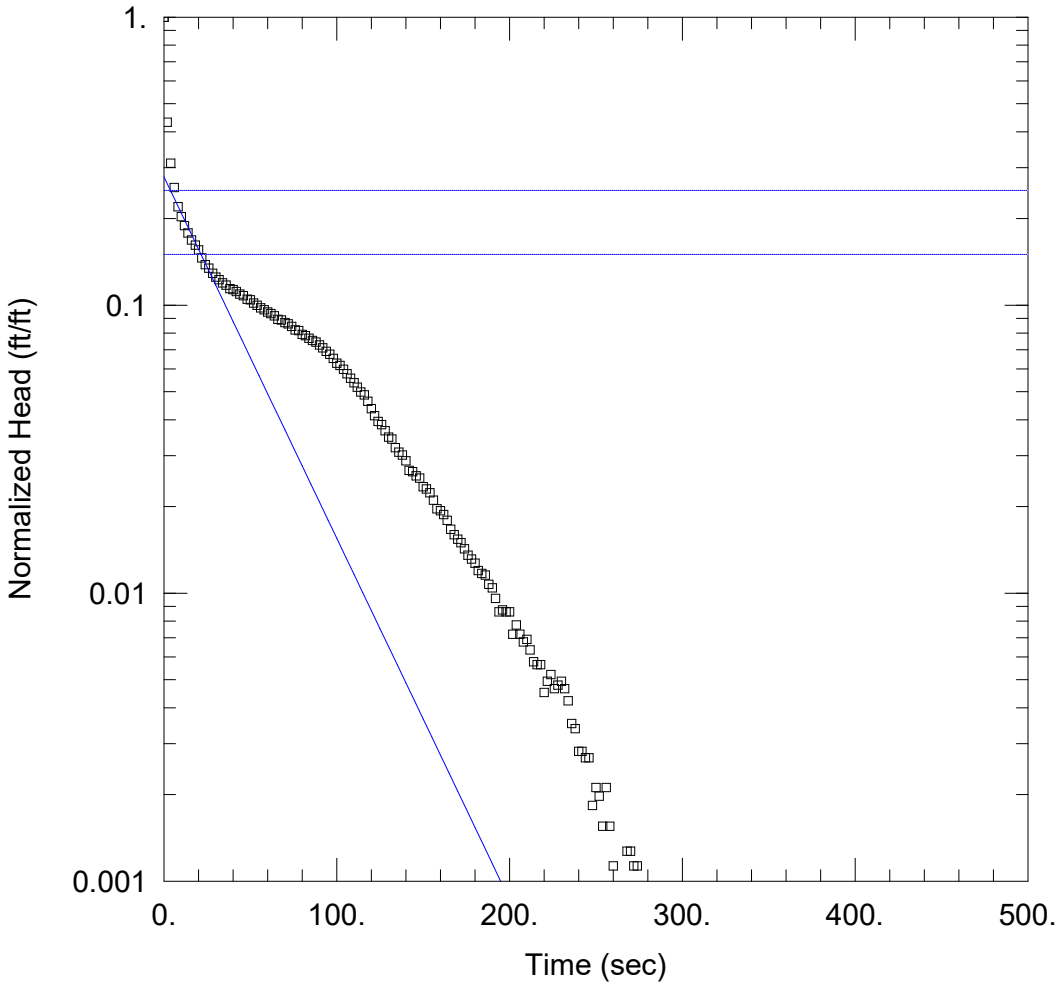
Saturated Thickness: 20.17 ft Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (INW-02)

Initial Displacement: 7.09 ft Static Water Column Height: 20.17 ft
Total Well Penetration Depth: 19.92 ft Screen Length: 10. ft
Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 3.489 ft/day y0 = 2.073 ft



INW-02 TEST 2

Data Set: \...\INW-02_T2_HSV.aqt
Date: 07/13/23 Time: 14:16:15

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: INW-02
Test Date: 6/27/2023

AQUIFER DATA

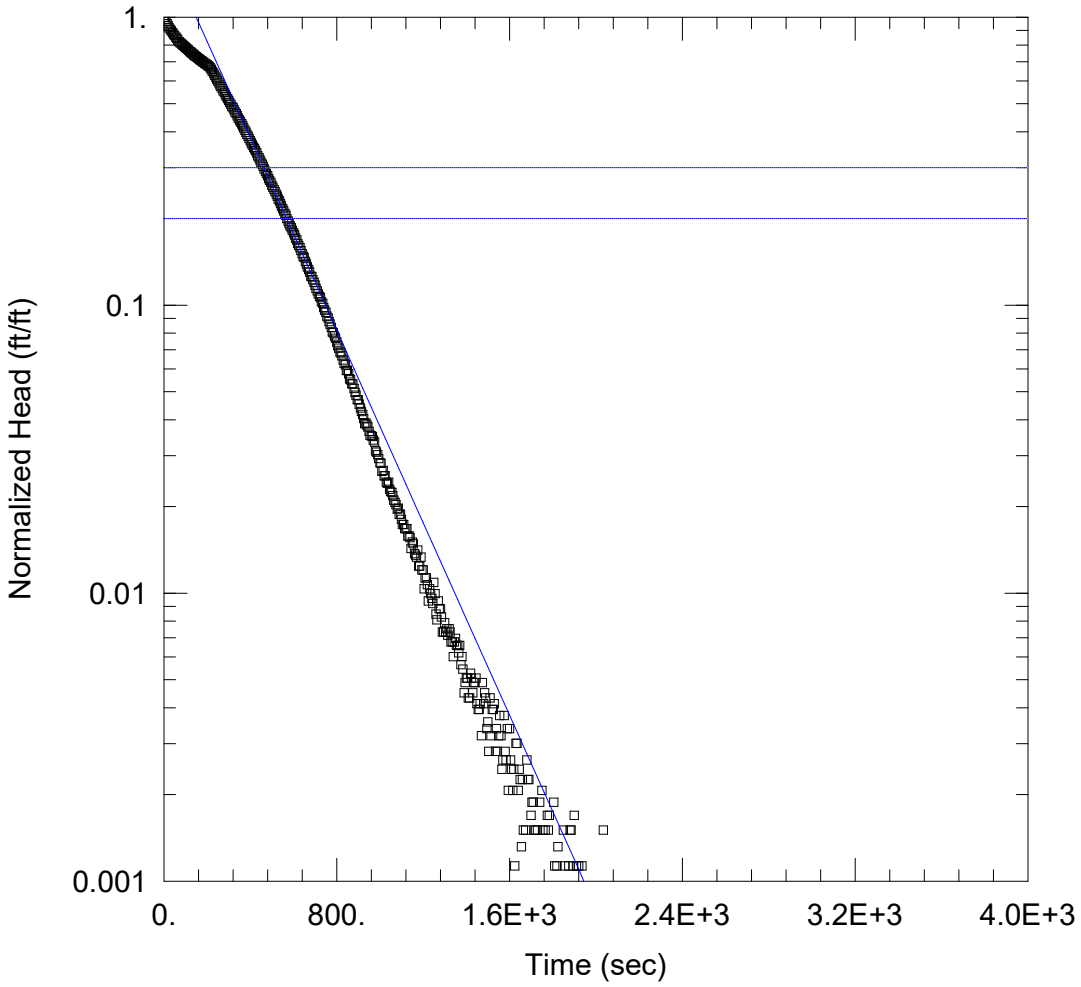
Saturated Thickness: 20.17 ft Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (INW-02)

Initial Displacement: 7.09 ft Static Water Column Height: 20.17 ft
Total Well Penetration Depth: 19.92 ft Screen Length: 10. ft
Casing Radius: 0.083 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Hvorslev
K = 3.618 ft/day y0 = 1.976 ft



PT-01 TEST 1

Data Set: N:\...\PT-01_T1_BR.aqt
Date: 07/13/23 Time: 14:22:17

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: PT-01
Test Date: 6/30/2023

AQUIFER DATA

Saturated Thickness: 13.48 ft Anisotropy Ratio (Kz/Kr): 0.1

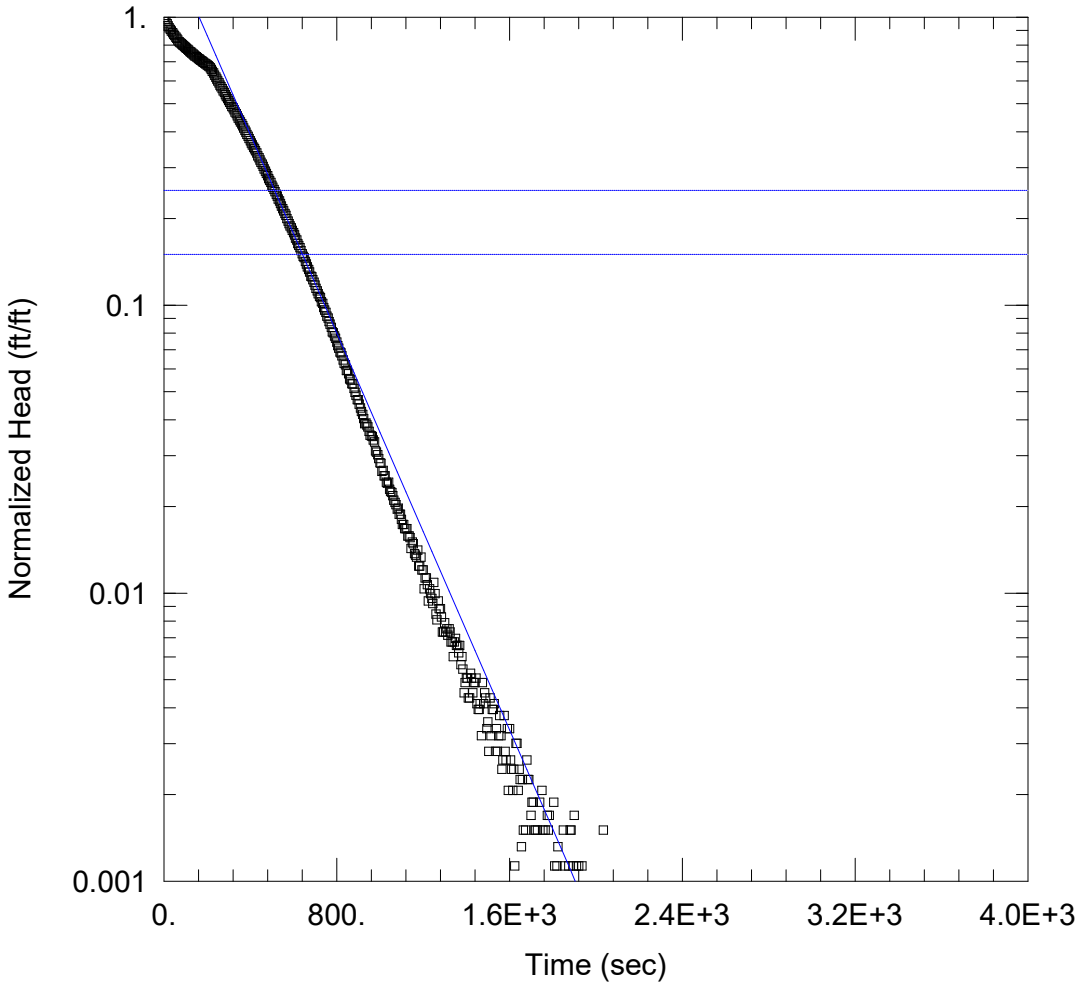
WELL DATA (PT-01)

Initial Displacement: 5.32 ft
Total Well Penetration Depth: 13.23 ft
Casing Radius: 0.083 ft
Static Water Column Height: 13.48 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 0.3802 ft/day
y0 = 9.44 ft



PT-01 TEST 1

Data Set: N:\...\PT-01_T1_HSV.aqt
Date: 07/13/23 Time: 14:23:05

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: PT-01
Test Date: 6/30/2023

AQUIFER DATA

Saturated Thickness: 13.48 ft Anisotropy Ratio (Kz/Kr): 0.1

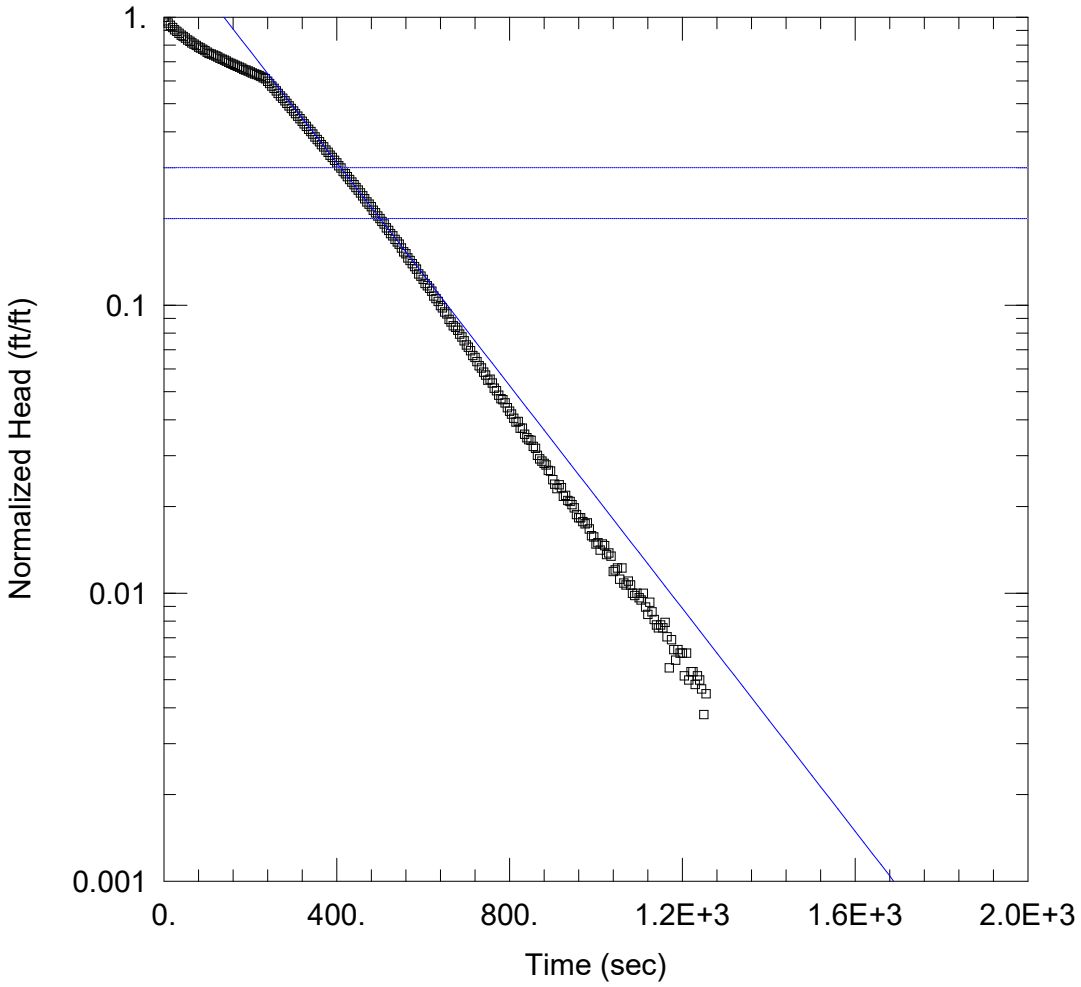
WELL DATA (PT-01)

Initial Displacement: 5.32 ft
Total Well Penetration Depth: 13.23 ft
Casing Radius: 0.083 ft
Static Water Column Height: 13.48 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Hvorslev

K = 0.4967 ft/day y0 = 10.16 ft



PT-01 TEST 2

Data Set: N:\...\PT-01_T2_BR.aqt
Date: 07/13/23 Time: 14:28:09

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: PT-01
Test Date: 6/30/2023

AQUIFER DATA

Saturated Thickness: 13.48 ft Anisotropy Ratio (Kz/Kr): 0.1

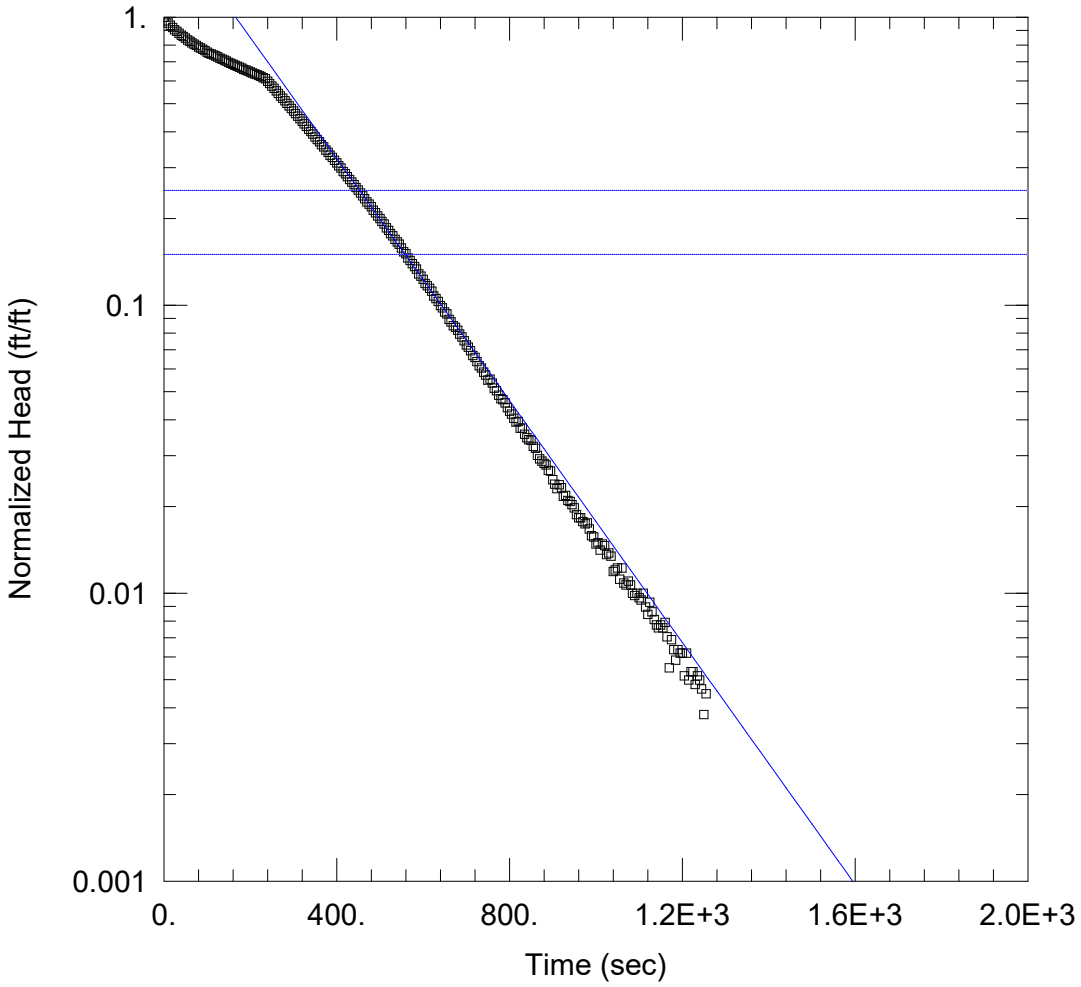
WELL DATA (PT-01)

Initial Displacement: 5.81 ft
Total Well Penetration Depth: 13.23 ft
Casing Radius: 0.083 ft
Static Water Column Height: 13.48 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 0.4402 ft/day
y0 = 10.77 ft



PT-01 TEST 2

Data Set: N:\...\PT-01_T2_HSV.aqt
Date: 07/13/23 Time: 14:29:21

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: PT-01
Test Date: 6/30/2023

AQUIFER DATA

Saturated Thickness: 13.48 ft Anisotropy Ratio (Kz/Kr): 0.1

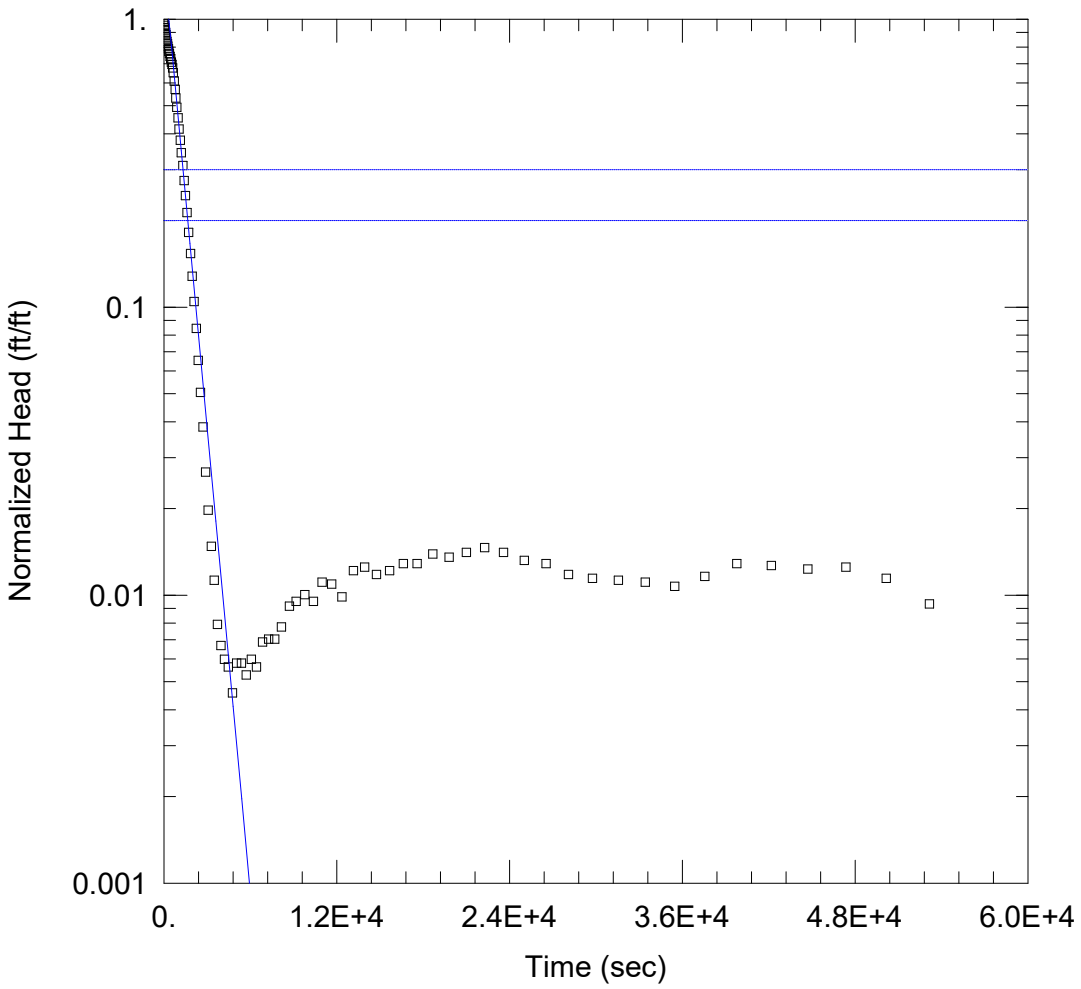
WELL DATA (PT-01)

Initial Displacement: 5.81 ft
Total Well Penetration Depth: 13.23 ft
Casing Radius: 0.083 ft
Static Water Column Height: 13.48 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Hvorslev

K = 0.5768 ft/day y0 = 11.59 ft



PT-02 TEST 1

Data Set: \...\PT-02_T1_BR.aqt
Date: 07/13/23 Time: 14:37:09

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: PT-02
Test Date: 7/6/2023

AQUIFER DATA

Saturated Thickness: 13.57 ft Anisotropy Ratio (Kz/Kr): 0.1

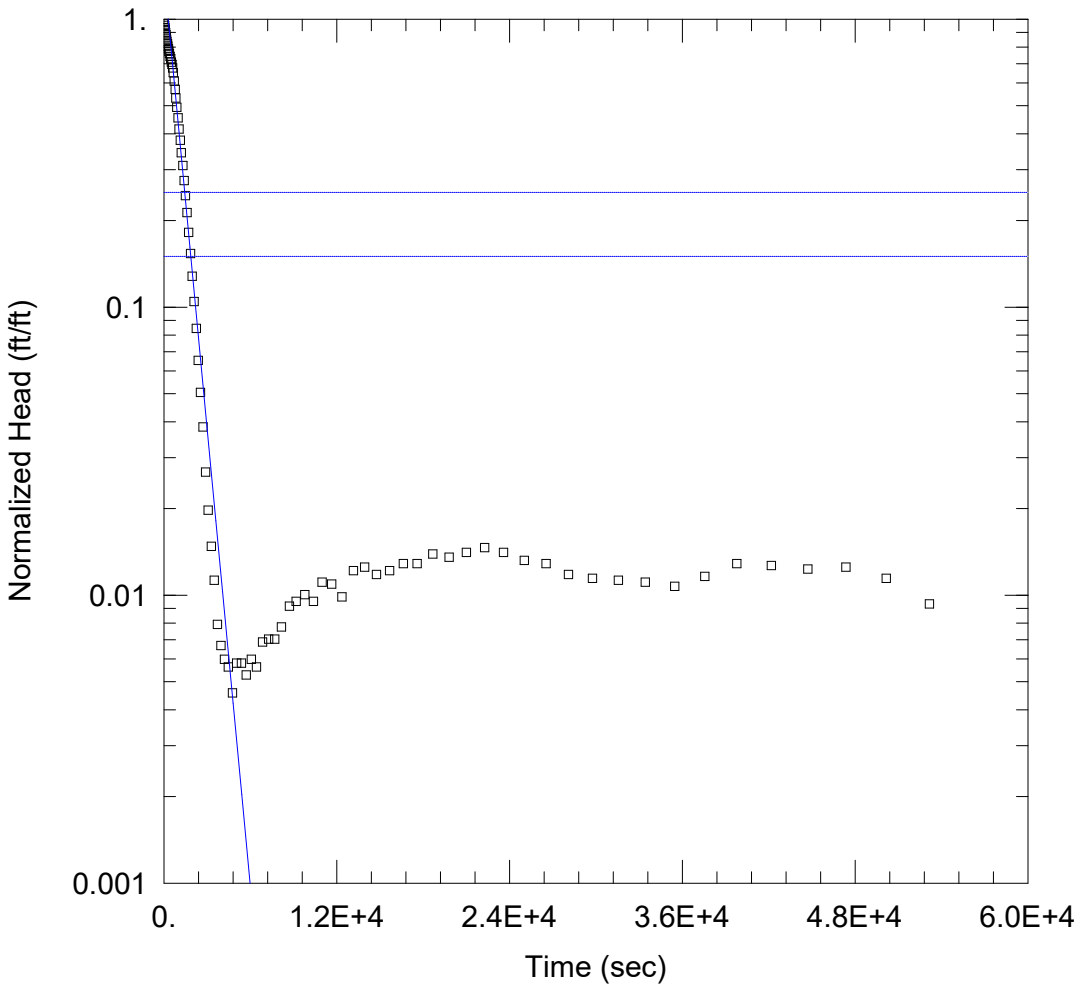
WELL DATA (PT-02)

Initial Displacement: 5.68 ft
Total Well Penetration Depth: 13.32 ft
Casing Radius: 0.083 ft
Static Water Column Height: 13.57 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 0.1221 ft/day
y0 = 8.717 ft



PT-02 TEST 1

Data Set: N:\...\PT-02_T1_HSV.aqt
Date: 07/13/23 Time: 14:36:46

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: PT-02
Test Date: 7/6/2023

AQUIFER DATA

Saturated Thickness: 13.57 ft Anisotropy Ratio (Kz/Kr): 0.1

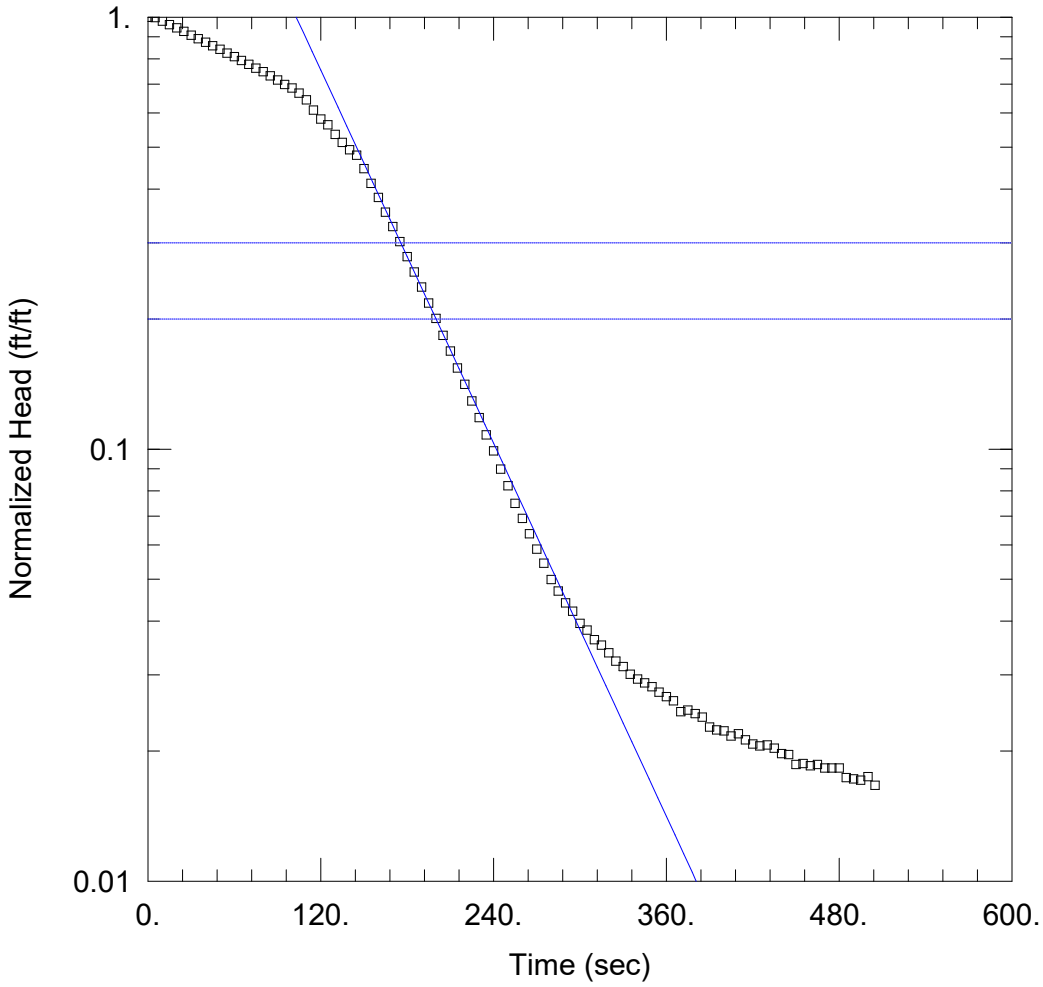
WELL DATA (PT-02)

Initial Displacement: 5.68 ft
Total Well Penetration Depth: 13.32 ft
Casing Radius: 0.083 ft
Static Water Column Height: 13.57 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Hvorslev

K = 0.1522 ft/day y0 = 8.183 ft



PT-03 TEST 1

Data Set: N:\...\PT-03_T1_BR.aqt
Date: 07/13/23 Time: 14:42:40

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: PT-03
Test Date: 6/29/2023

AQUIFER DATA

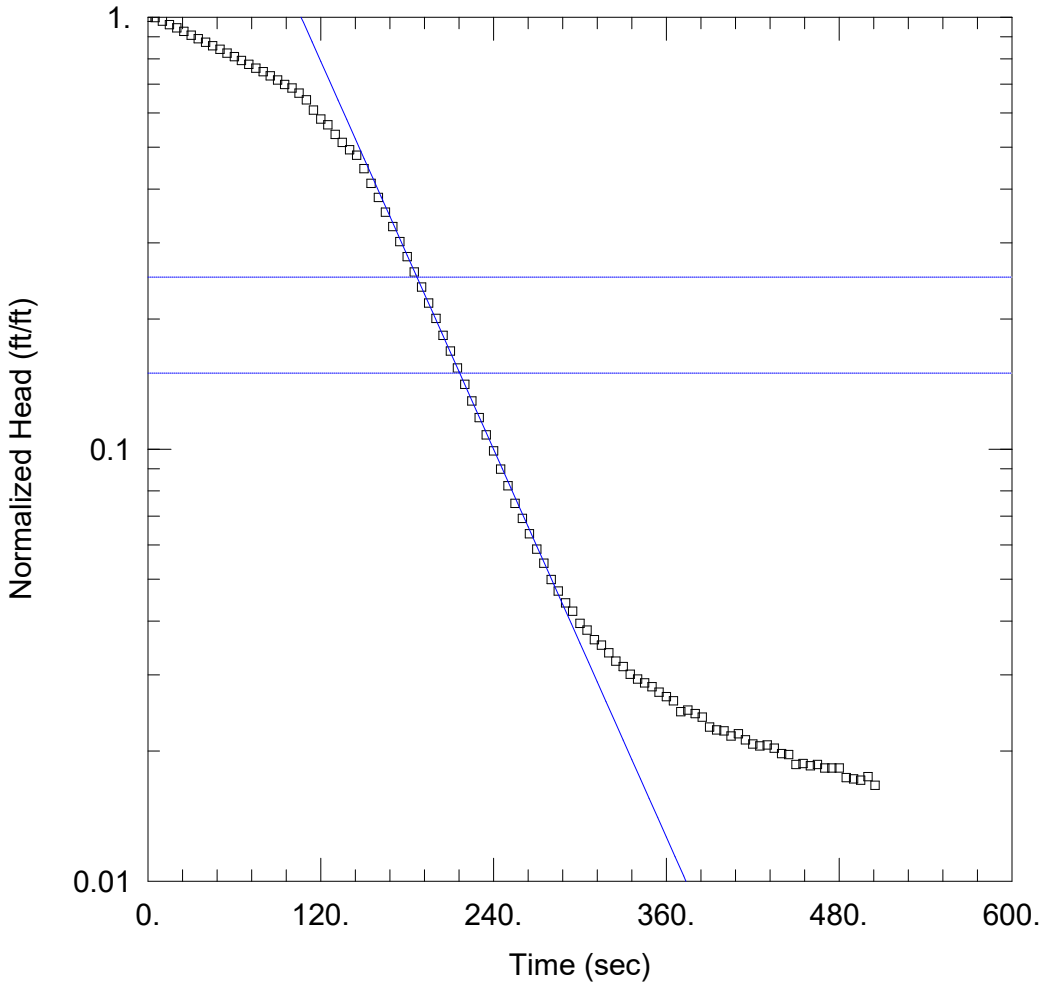
Saturated Thickness: 15.76 ft Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (PT-03)

Initial Displacement: 8.76 ft
Total Well Penetration Depth: 15.51 ft
Casing Radius: 0.083 ft
Static Water Column Height: 15.76 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.679 ft/day
y0 = 48.29 ft



PT-03 TEST 1

Data Set: N:\...\PT-03_T1_HSV.aqt
Date: 07/13/23 Time: 14:43:15

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: PT-03
Test Date: 6/29/2023

AQUIFER DATA

Saturated Thickness: 15.76 ft Anisotropy Ratio (Kz/Kr): 0.1

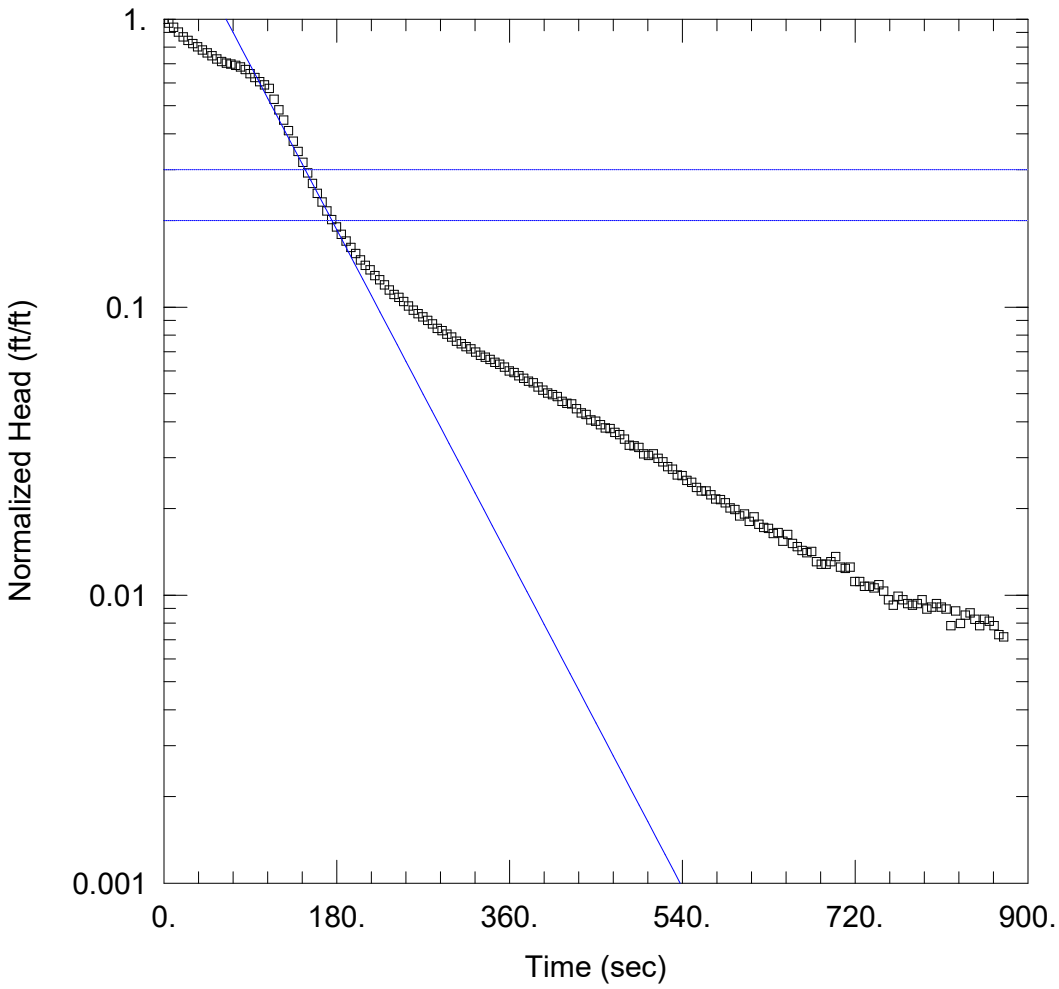
WELL DATA (PT-03)

Initial Displacement: 8.76 ft
Total Well Penetration Depth: 15.51 ft
Casing Radius: 0.083 ft
Static Water Column Height: 15.76 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Hvorslev

K = 2.158 ft/day y0 = 54.72 ft



PT-03 TEST 2

Data Set: N:\...\PT-03_T2_BR.aqt
Date: 07/13/23 Time: 14:45:29

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: PT-03
Test Date: 6/29/2023

AQUIFER DATA

Saturated Thickness: 15.76 ft Anisotropy Ratio (Kz/Kr): 0.1

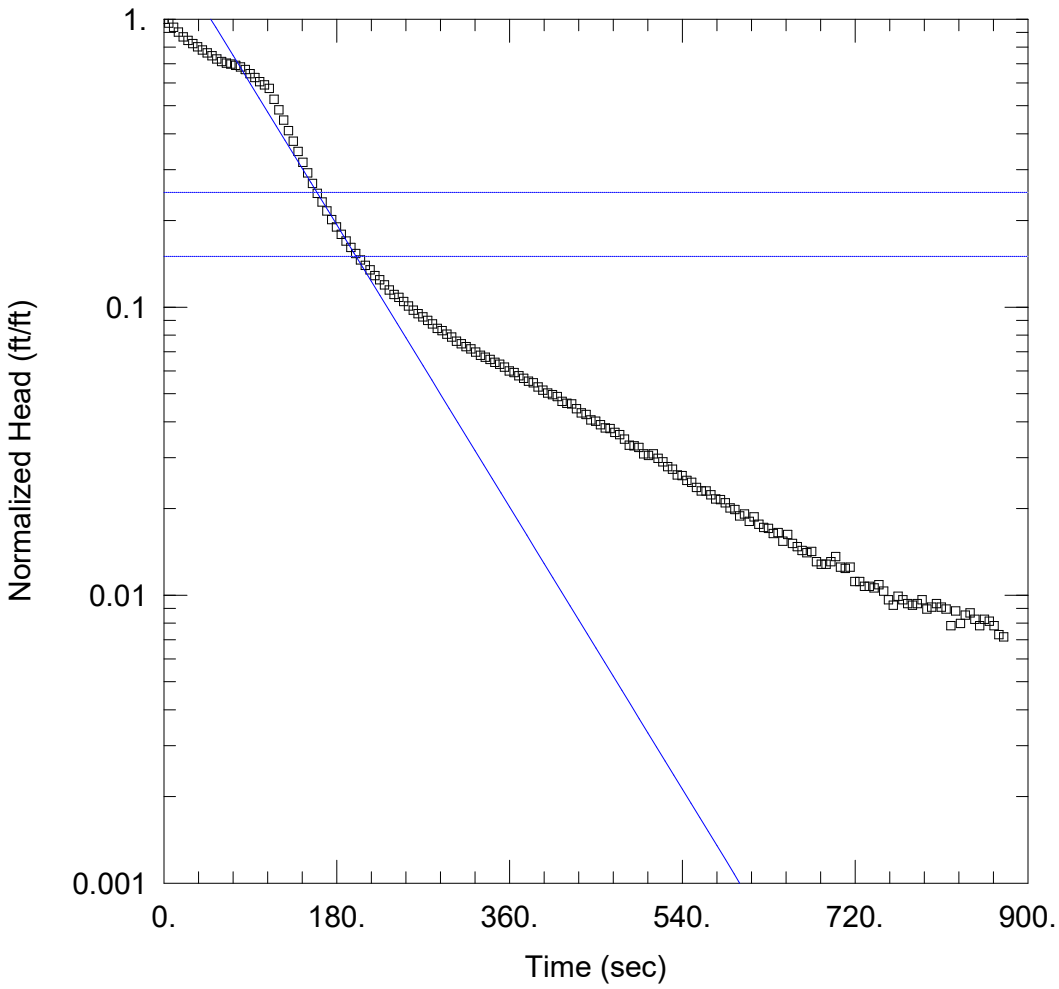
WELL DATA (PT-03)

Initial Displacement: 7.27 ft
Total Well Penetration Depth: 15.51 ft
Casing Radius: 0.083 ft
Static Water Column Height: 15.76 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 1.48 ft/day y0 = 18.7 ft



PT-03 TEST 2

Data Set: N:\...\PT-03_T2_HSV.aqt
Date: 07/13/23 Time: 14:46:12

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: PT-03
Test Date: 6/29/2023

AQUIFER DATA

Saturated Thickness: 15.76 ft Anisotropy Ratio (Kz/Kr): 0.1

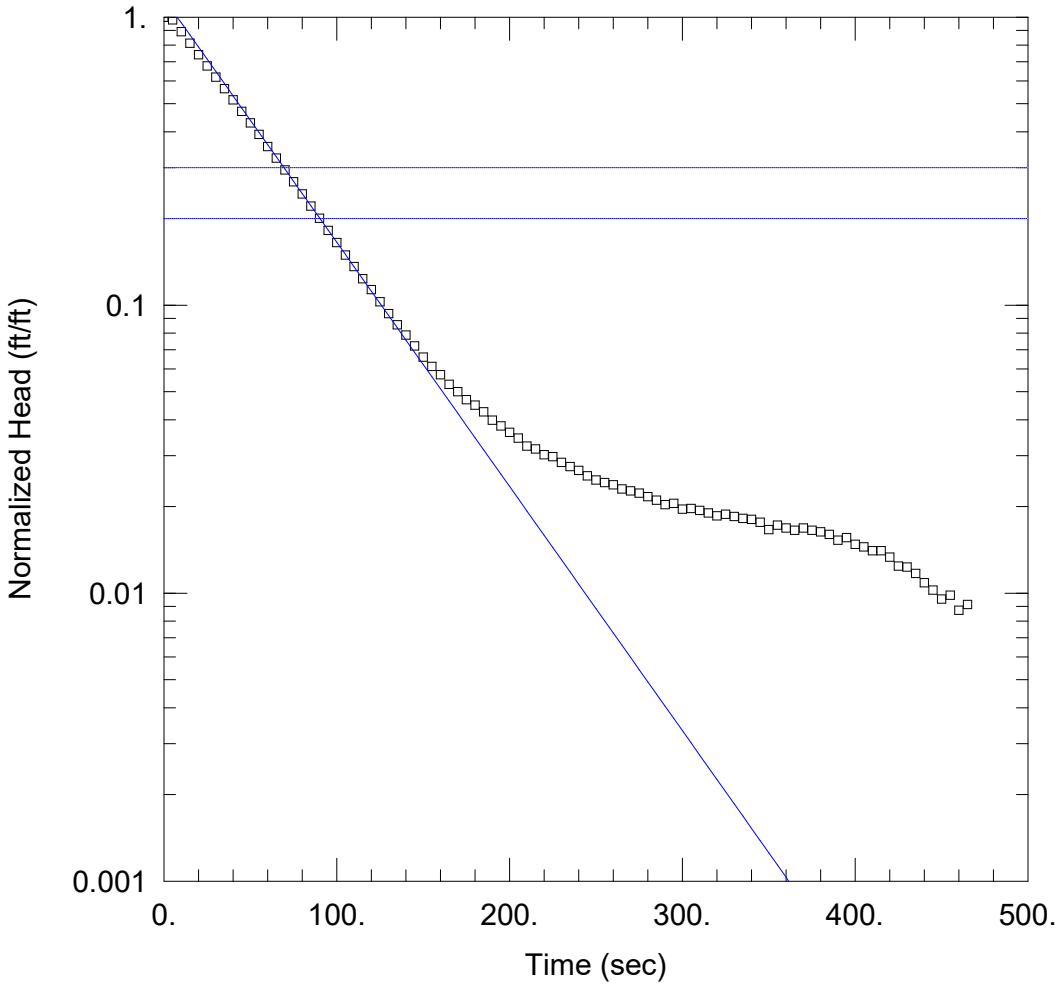
WELL DATA (PT-03)

Initial Displacement: 7.27 ft
Total Well Penetration Depth: 15.51 ft
Casing Radius: 0.083 ft
Static Water Column Height: 15.76 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Hvorslev

K = 1.57 ft/day y0 = 13.39 ft



PT-04 TEST 1

Data Set: N:\...\PT-04_T1_BR.aqt
Date: 07/13/23 Time: 14:50:48

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: PT-04
Test Date: 6/28/2023

AQUIFER DATA

Saturated Thickness: 19.49 ft Anisotropy Ratio (Kz/Kr): 0.1

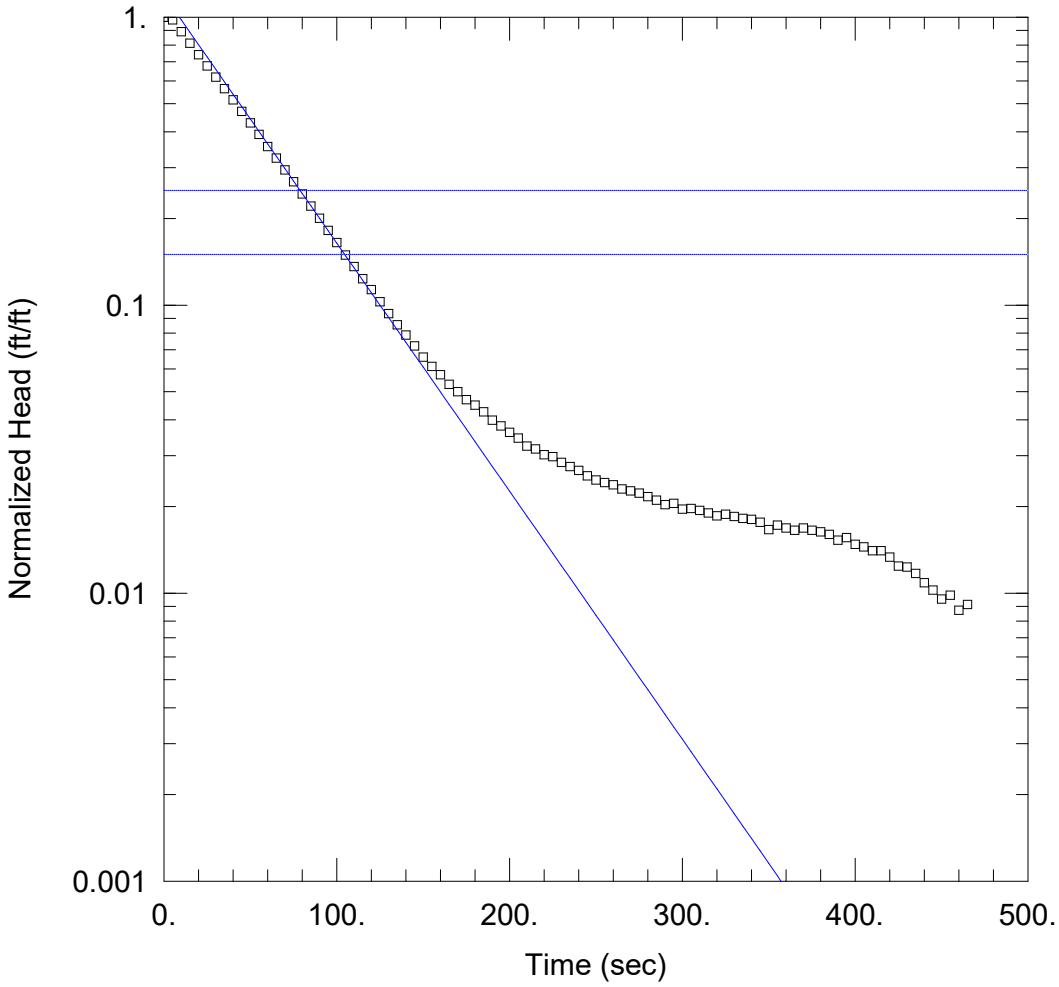
WELL DATA (PT-04)

Initial Displacement: 9.75 ft
Total Well Penetration Depth: 19.24 ft
Casing Radius: 0.083 ft
Static Water Column Height: 19.49 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 2.043 ft/day
y0 = 11.34 ft



PT-04 TEST 1

Data Set: N:\...\PT-04_T1_HSV.aqt
Date: 07/13/23 Time: 14:51:36

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: PT-04
Test Date: 6/28/2023

AQUIFER DATA

Saturated Thickness: 19.49 ft Anisotropy Ratio (Kz/Kr): 0.1

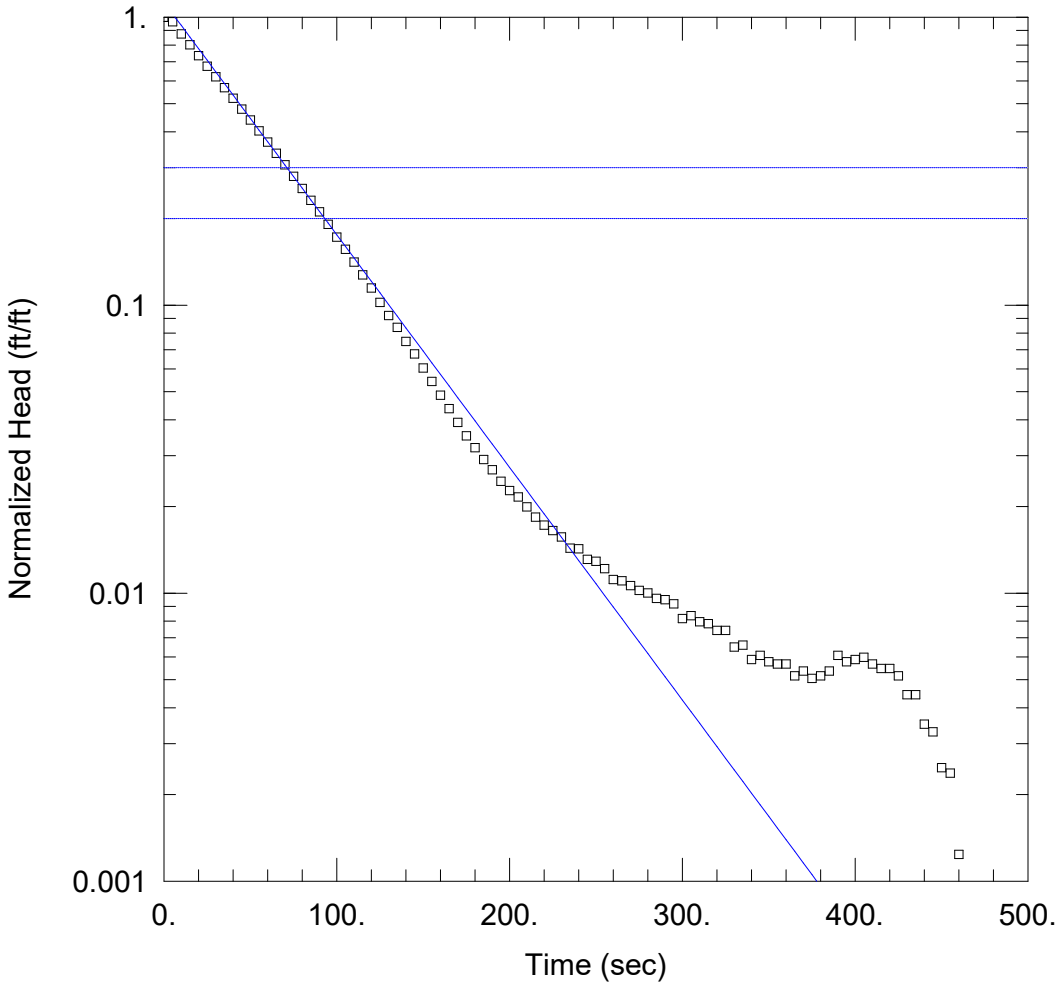
WELL DATA (PT-04)

Initial Displacement: 9.75 ft
Total Well Penetration Depth: 19.24 ft
Casing Radius: 0.083 ft
Static Water Column Height: 19.49 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Hvorslev

K = 2.484 ft/day y0 = 11.63 ft



PT-04 TEST 2

Data Set: N:\...\PT-04_T2_BR.aqt
Date: 07/13/23 Time: 14:55:01

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: PT-04
Test Date: 6/28/2023

AQUIFER DATA

Saturated Thickness: 19.49 ft Anisotropy Ratio (Kz/Kr): 0.1

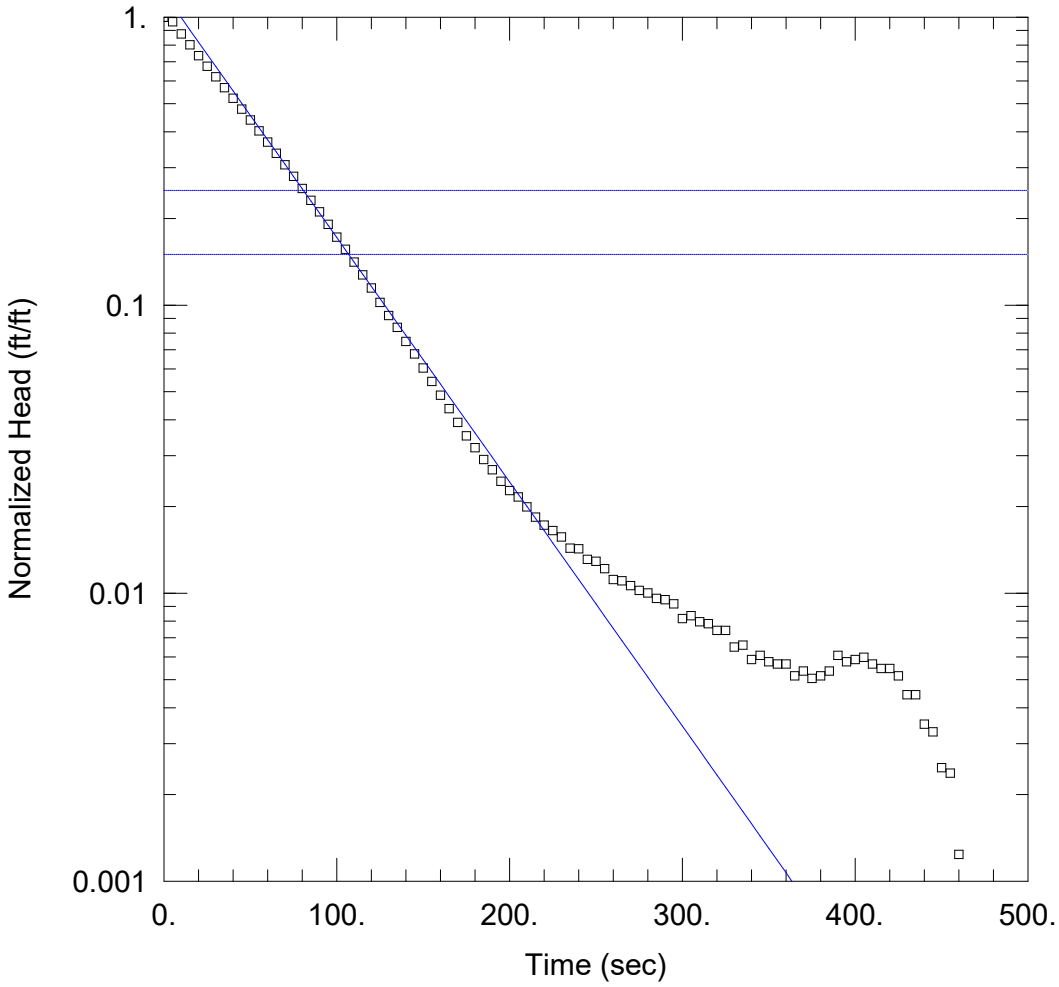
WELL DATA (PT-04)

Initial Displacement: 9.692 ft
Total Well Penetration Depth: 19.24 ft
Casing Radius: 0.083 ft
Static Water Column Height: 19.49 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 1.947 ft/day
y0 = 10.93 ft



PT-04 TEST 2

Data Set: N:\...\PT-04_T2_HSV.aqt
Date: 07/13/23 Time: 14:56:00

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: PT-04
Test Date: 6/28/2023

AQUIFER DATA

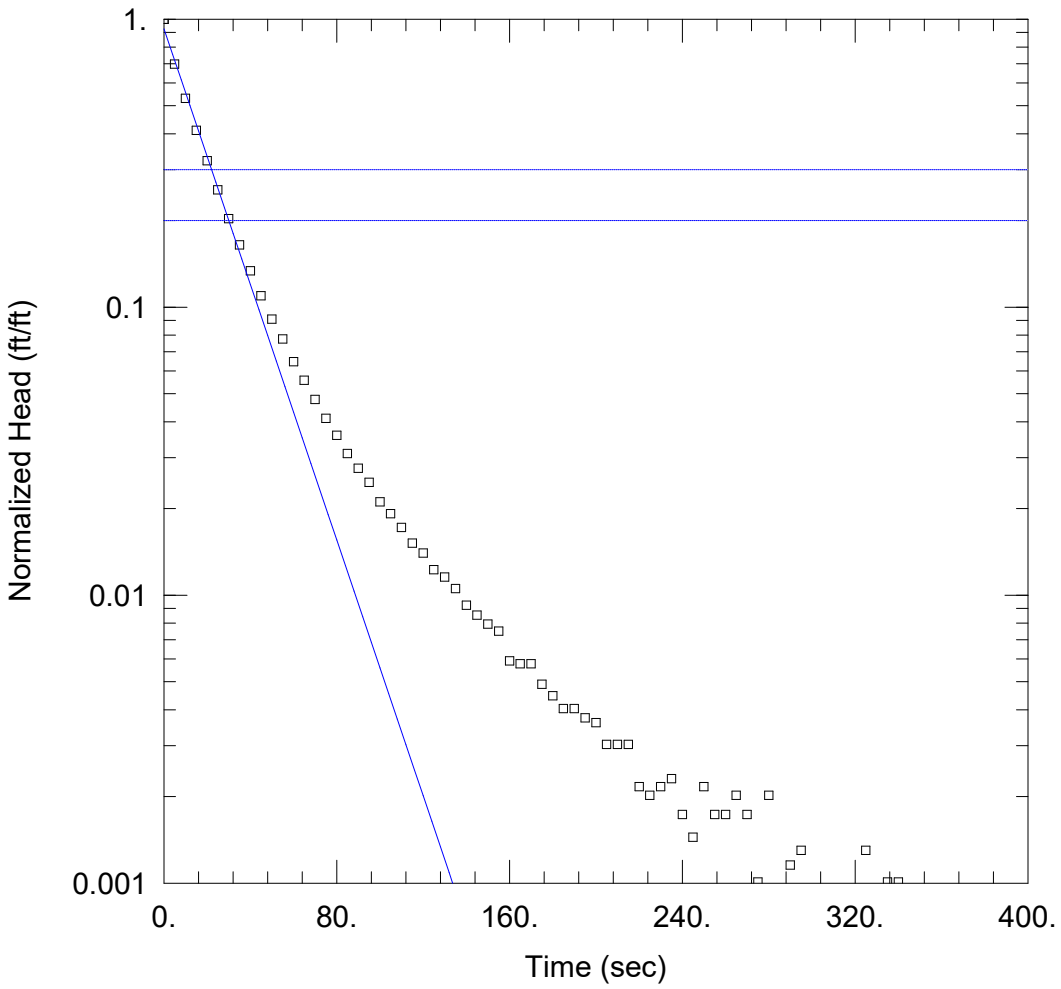
Saturated Thickness: 19.49 ft Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (PT-04)

Initial Displacement: 9.692 ft
Total Well Penetration Depth: 19.24 ft
Casing Radius: 0.083 ft
Static Water Column Height: 19.49 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Hvorslev
K = 2.446 ft/day
y0 = 11.72 ft



PT-05 TEST 1

Data Set: N:\...\PT-05_T1_BR.aqt
Date: 07/13/23 Time: 14:58:52

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: PT-05
Test Date: 7/5/2023

AQUIFER DATA

Saturated Thickness: 20.96 ft Anisotropy Ratio (Kz/Kr): 0.1

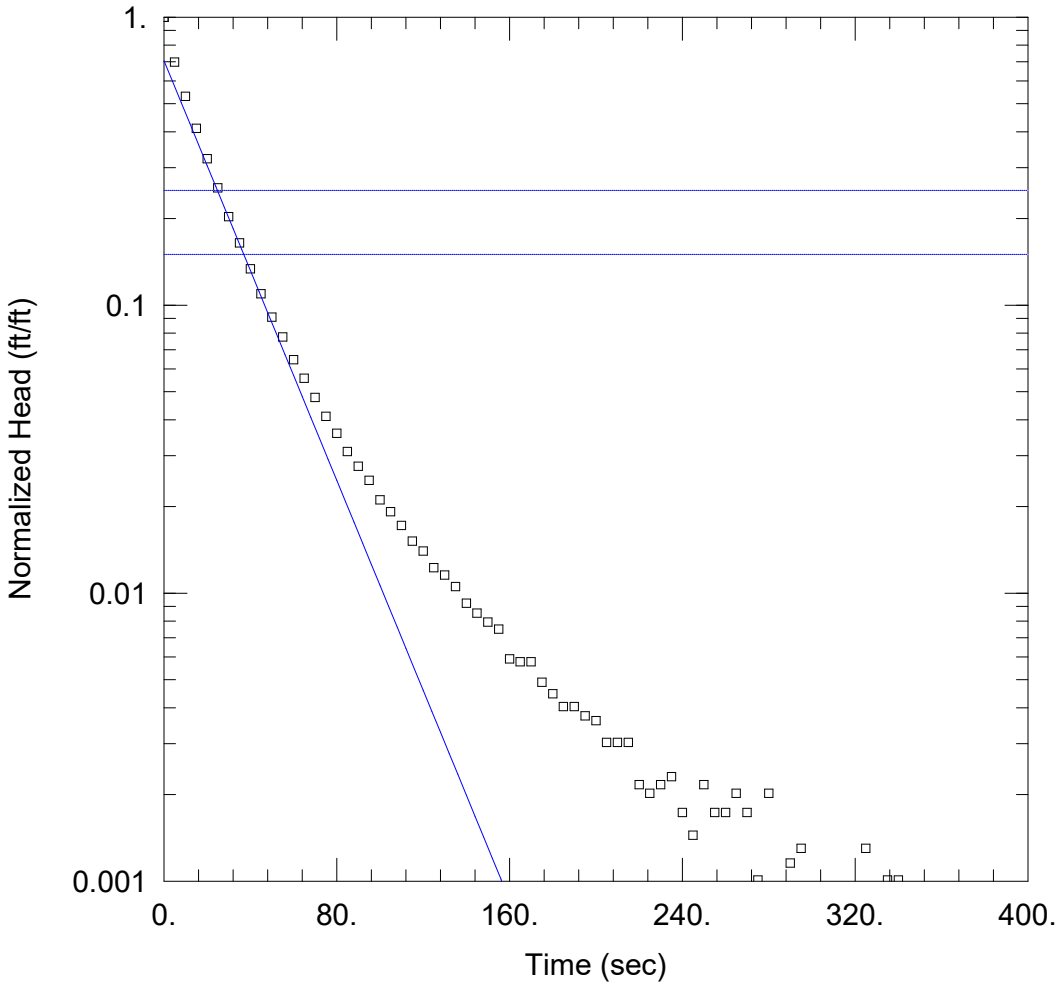
WELL DATA (PT-05)

Initial Displacement: 6.931 ft
Total Well Penetration Depth: 20.71 ft
Casing Radius: 0.083 ft
Static Water Column Height: 20.96 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 5.407 ft/day y0 = 6.416 ft



PT-05 TEST 1

Data Set: N:\...\PT-05_T1_HSV.aqt
Date: 07/13/23 Time: 14:59:55

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: PT-05
Test Date: 7/5/2023

AQUIFER DATA

Saturated Thickness: 20.96 ft Anisotropy Ratio (Kz/Kr): 0.1

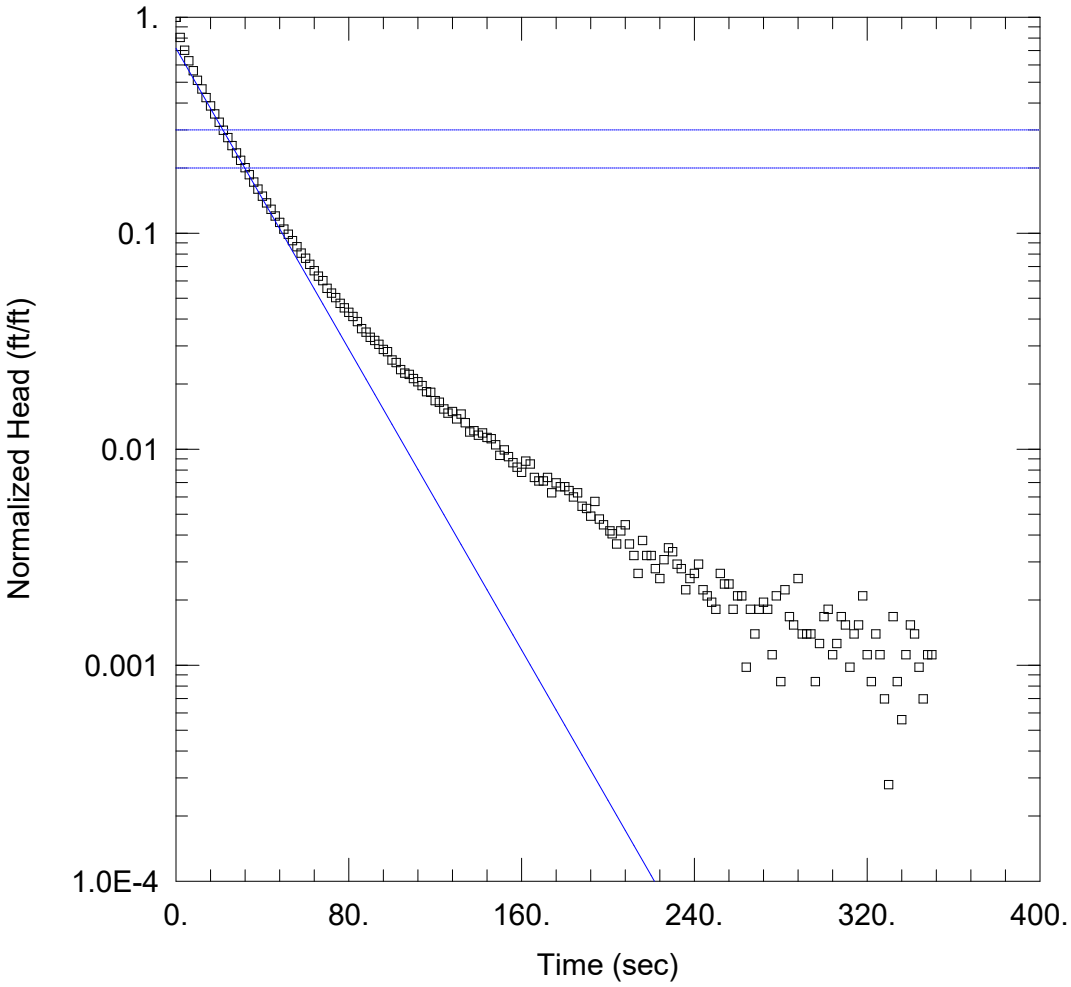
WELL DATA (PT-05)

Initial Displacement: 6.931 ft
Total Well Penetration Depth: 20.71 ft
Casing Radius: 0.083 ft
Static Water Column Height: 20.96 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Hvorslev

K = 5.253 ft/day y0 = 4.892 ft



PT-05 TEST 2

Data Set: \...\PT-05_T2_BR.aqt
Date: 07/13/23 Time: 15:06:21

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: PT-05
Test Date: 7/5/2023

AQUIFER DATA

Saturated Thickness: 20.96 ft Anisotropy Ratio (Kz/Kr): 0.1

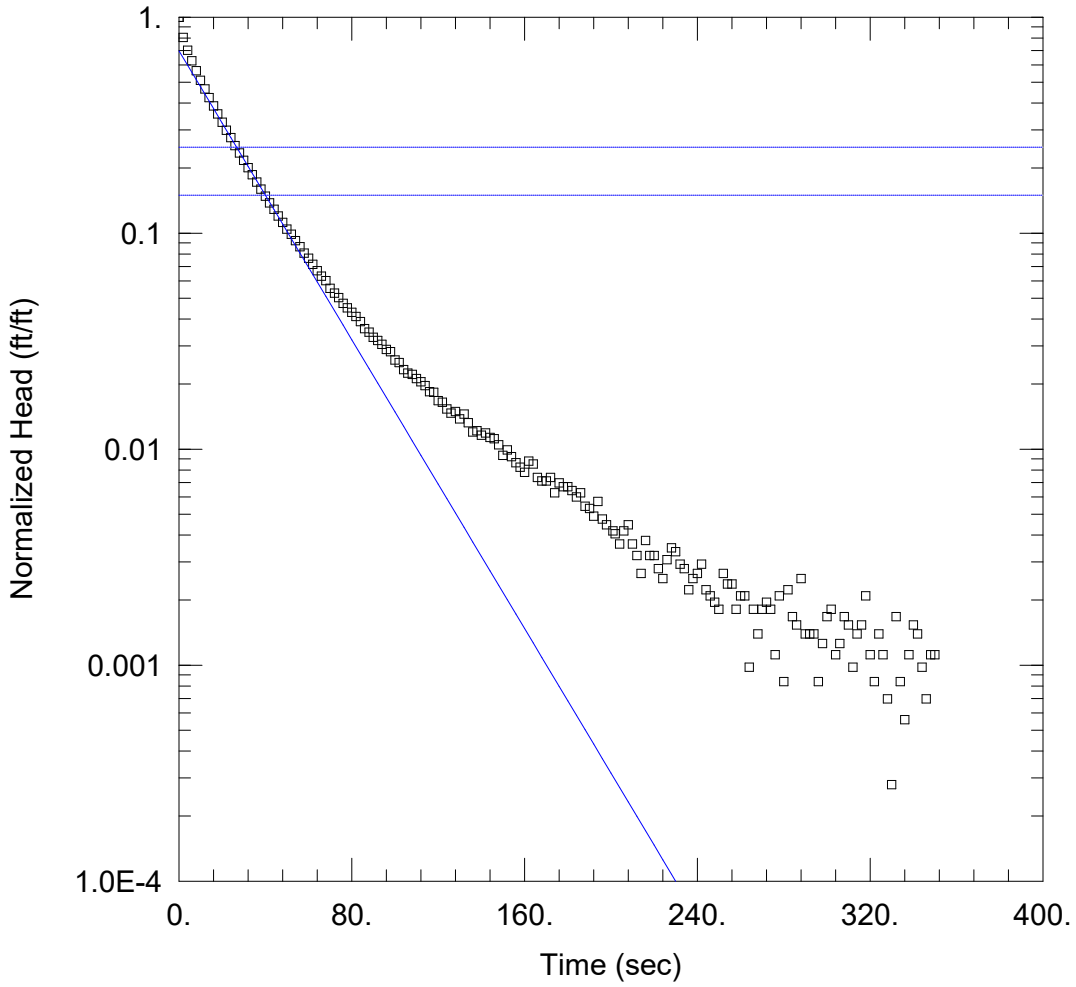
WELL DATA (PT-05)

Initial Displacement: 7.16 ft
Total Well Penetration Depth: 20.71 ft
Casing Radius: 0.083 ft
Static Water Column Height: 20.96 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 4.241 ft/day
y0 = 5.134 ft



PT-05 TEST 2

Data Set: N:\...\PT-05_T2_HSV.aqt
Date: 07/13/23 Time: 15:03:26

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: PT-05
Test Date: 7/5/2023

AQUIFER DATA

Saturated Thickness: 20.96 ft Anisotropy Ratio (Kz/Kr): 0.1

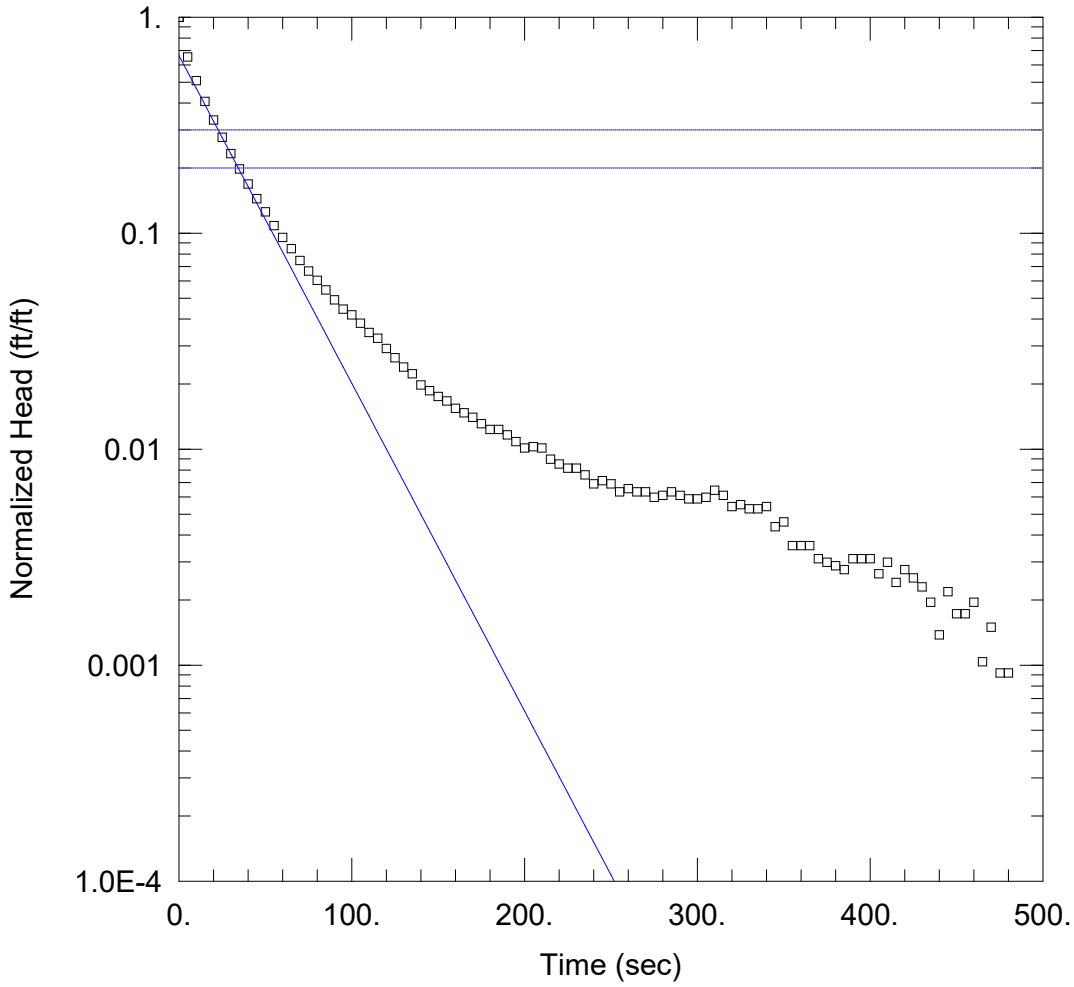
WELL DATA (PT-05)

Initial Displacement: 7.16 ft
Total Well Penetration Depth: 20.71 ft
Casing Radius: 0.083 ft
Static Water Column Height: 20.96 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Hvorslev

K = 4.82 ft/day y0 = 4.998 ft



PT-06 TEST 1

Data Set: N:\...\PT-06_T1_BR.aqt
Date: 07/13/23 Time: 15:16:47

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: PT-06
Test Date: 6/28/2023

AQUIFER DATA

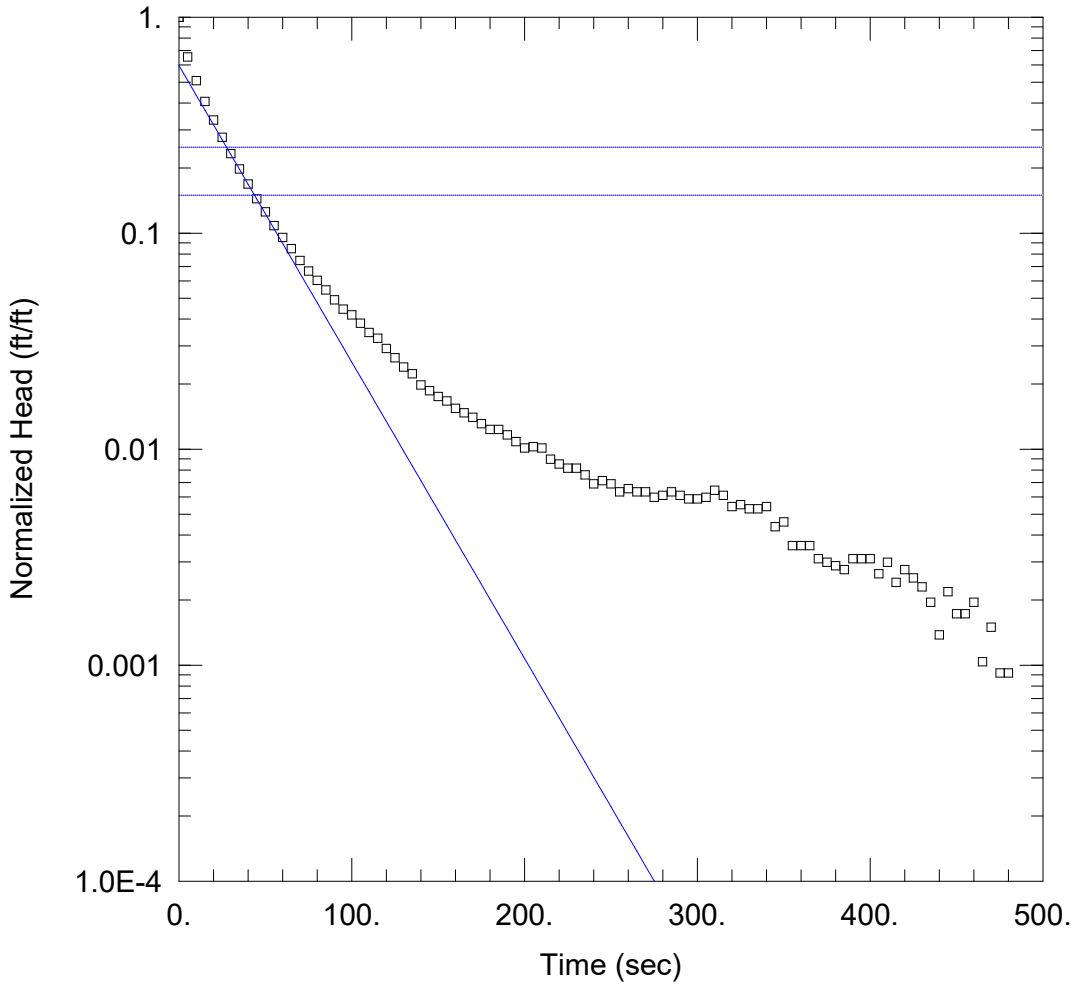
Saturated Thickness: 21.3 ft Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (PT-06)

Initial Displacement: 8.683 ft
Total Well Penetration Depth: 21.05 ft
Casing Radius: 0.083 ft
Static Water Column Height: 21.3 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 3.706 ft/day
y0 = 5.763 ft



PT-06 TEST 1

Data Set: N:\...\PT-06_T1_HSV.aqt
Date: 07/13/23 Time: 15:17:42

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: PT-06
Test Date: 6/28/2023

AQUIFER DATA

Saturated Thickness: 21.3 ft Anisotropy Ratio (Kz/Kr): 0.1

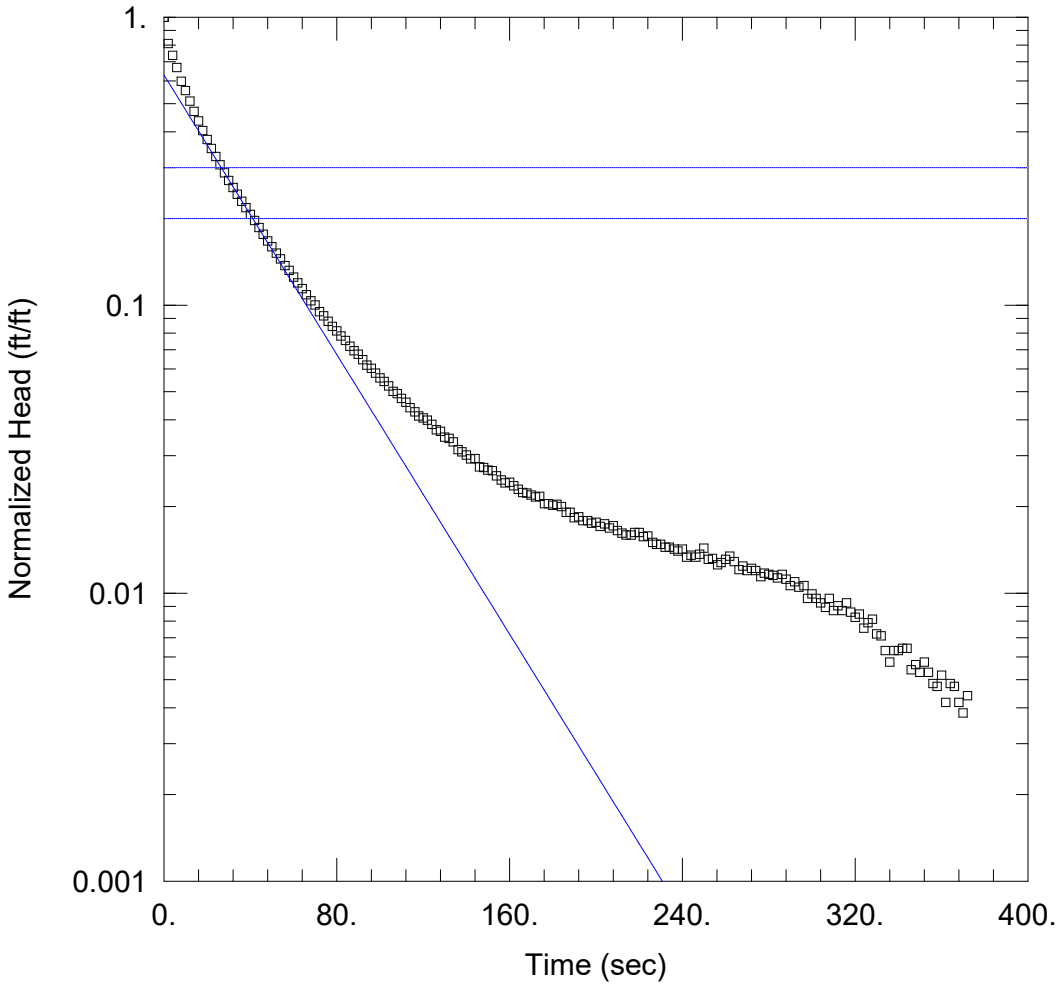
WELL DATA (PT-06)

Initial Displacement: 8.683 ft
Total Well Penetration Depth: 21.05 ft
Casing Radius: 0.083 ft
Static Water Column Height: 21.3 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Hvorslev

K = 3.958 ft/day y0 = 5.177 ft



PT-06 TEST 2

Data Set: N:\...\PT-06_T2_BR.aqt
Date: 07/13/23 Time: 15:22:27

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: PT-06
Test Date: 6/28/2023

AQUIFER DATA

Saturated Thickness: 21.3 ft Anisotropy Ratio (Kz/Kr): 0.1

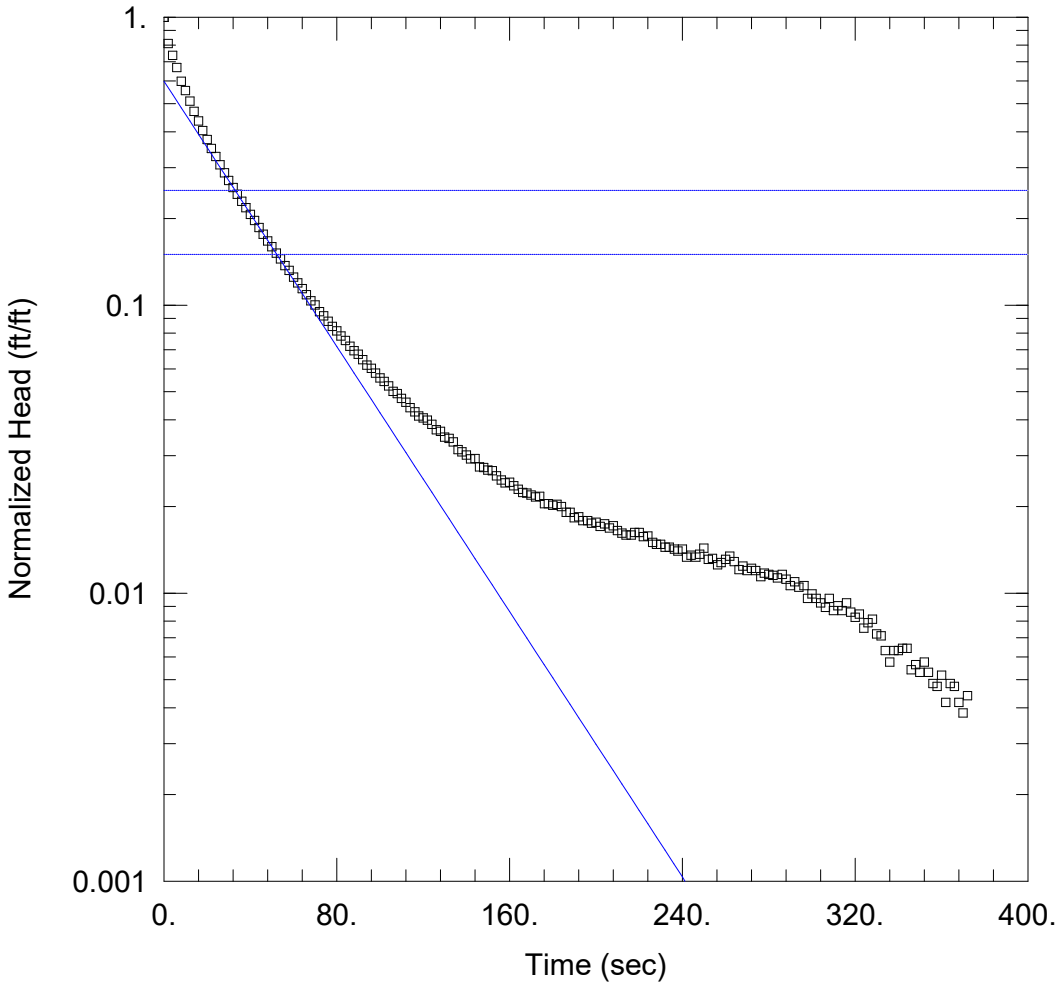
WELL DATA (PT-06)

Initial Displacement: 8.86 ft
Total Well Penetration Depth: 21.05 ft
Casing Radius: 0.083 ft
Static Water Column Height: 21.3 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 2.963 ft/day
y0 = 5.574 ft



PT-06 TEST 2

Data Set: N:\...\PT-06_T2_HSV.aqt
Date: 07/13/23 Time: 15:24:05

PROJECT INFORMATION

Company: Geosyntec
Client: Georgia Power
Project: GW6581G
Location: Plant Hammond
Test Well: PT-06
Test Date: 6/28/2023

AQUIFER DATA

Saturated Thickness: 21.3 ft Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (PT-06)

Initial Displacement: 8.86 ft
Total Well Penetration Depth: 21.05 ft
Casing Radius: 0.083 ft
Static Water Column Height: 21.3 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Hvorslev

K = 3.319 ft/day y0 = 5.304 ft

APPENDIX C

Baseline Groundwater Analytical Laboratory Results and Field Sampling Forms

Laboratory Analytical Reports

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

August 10, 2023

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Hammond AP-2
Pace Project No.: 92677696

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory between July 17, 2023 and July 19, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

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

A revised report is being submitted on 8/10/23 to revise the sample ID for 92677696-010. It was entered incorrectly at log in.

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

Sincerely,

Angela M. Baioni

Angela Baioni for
Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Kip Gray, Geosyntec
Christine Hug, Geosyntec Consultants, Inc.
Whitney Law, Geosyntec Consultants
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Hammond AP-2
Pace Project No.: 92677696

Pace Analytical Services Charlotte
South Carolina Laboratory ID: 99006
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315
Georgia DW Inorganics Certification #: 812
North Carolina Certification #: 381
South Carolina Certification #: 98011001
Virginia Certification #: 460204

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Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Hammond AP-2
Pace Project No.: 92677696

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92677696001	**HAM-HGWC-18**	Water	07/14/23 09:57	07/17/23 12:30
92677696002	**HAM-PT-06**	Water	07/14/23 11:05	07/17/23 12:30
92677696003	**HAM-PT-05**	Water	07/14/23 13:00	07/17/23 12:30
92677696004	**HAM-PT-04**	Water	07/14/23 14:03	07/17/23 12:30
92677696005	**HAM-INW-02**	Water	07/14/23 14:57	07/17/23 12:30
92677696006	**HAM-AP2-FD-01**	Water	07/14/23 00:00	07/17/23 12:30
92677696007	**HAM-AP2-FB-01**	Water	07/17/23 08:45	07/17/23 12:30
92677696008	**HAM-MW-59**	Water	07/17/23 16:24	07/19/23 13:53
92677696009	**HAM-MW-33**	Water	07/18/23 09:47	07/19/23 13:53
92677696010	**HAM-MW-35**	Water	07/18/23 11:29	07/19/23 13:53
92677696011	**HAM-PT-03**	Water	07/18/23 12:33	07/19/23 13:53
92677696012	**HAM-PT-01**	Water	07/18/23 13:24	07/19/23 13:53
92677696013	**HAM-PT-02**	Water	07/18/23 16:20	07/19/23 13:53
92677696014	**HAM-INW-01**	Water	07/19/23 09:31	07/19/23 13:53
92677696015	**HAM-MW-57**	Water	07/19/23 10:40	07/19/23 13:53

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Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Hammond AP-2
Pace Project No.: 92677696

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92677696001	**HAM-HGWC-18**	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92677696002	**HAM-PT-06**	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92677696003	**HAM-PT-05**	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92677696004	**HAM-PT-04**	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92677696005	**HAM-INW-02**	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92677696006	**HAM-AP2-FD-01**	EPA 6010D	MS	6
		EPA 6020B	CW1	13

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SAMPLE ANALYTE COUNT

Project: Hammond AP-2
Pace Project No.: 92677696

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92677696007	**HAM-AP2-FB-01**	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92677696008	**HAM-MW-59**	EPA 6010D	DRB	1
		EPA 6020B	CW1	1
92677696009	**HAM-MW-33**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92677696010	**HAM-MW-35**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92677696011	**HAM-PT-03**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92677696012	**HAM-PT-01**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13

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SAMPLE ANALYTE COUNT

Project: Hammond AP-2
Pace Project No.: 92677696

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92677696013	**HAM-PT-02**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92677696014	**HAM-INW-01**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92677696015	**HAM-MW-57**	EPA 6010D	MS	1
		EPA 6020B	CW1	1

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

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Hammond AP-2
Pace Project No.: 92677696

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92677696001	**HAM-HGWC-18**					
	Performed by	CUSTOMER			07/17/23 17:10	
	pH	4.59	Std. Units		07/17/23 17:10	
EPA 6010D	Manganese	3.6	mg/L	0.040	07/20/23 16:44	
EPA 6010D	Potassium	10.7	mg/L	0.50	07/20/23 16:44	
EPA 6010D	Sodium	11.9	mg/L	1.0	07/20/23 16:44	
EPA 6010D	Magnesium	39.1	mg/L	0.050	07/20/23 16:44	
EPA 6010D	Iron	0.34	mg/L	0.040	07/25/23 16:58	
EPA 6010D	Calcium	394	mg/L	5.0	07/25/23 17:03	
EPA 6020B	Barium	0.023	mg/L	0.0050	07/19/23 19:12	
EPA 6020B	Beryllium	0.0027	mg/L	0.00050	07/19/23 19:12	
EPA 6020B	Boron	7.7	mg/L	0.20	07/21/23 17:49	
EPA 6020B	Cadmium	0.0014	mg/L	0.00050	07/19/23 19:12	
EPA 6020B	Cobalt	0.13	mg/L	0.0050	07/19/23 19:12	
EPA 6020B	Lead	0.0015	mg/L	0.0010	07/19/23 19:12	
EPA 6020B	Lithium	0.010J	mg/L	0.030	07/19/23 19:12	
EPA 6020B	Selenium	0.0063	mg/L	0.0050	07/19/23 19:12	
EPA 7470A	Mercury	0.00020J	mg/L	0.00020	08/01/23 11:29	
SM 2540C-2015	Total Dissolved Solids	1760	mg/L	25.0	07/18/23 15:26	
EPA 300.0 Rev 2.1 1993	Chloride	104	mg/L	12.0	07/19/23 13:52	
EPA 300.0 Rev 2.1 1993	Fluoride	0.28	mg/L	0.10	07/19/23 07:01	
EPA 300.0 Rev 2.1 1993	Sulfate	927	mg/L	12.0	07/19/23 13:52	
92677696002	**HAM-PT-06**					
	Performed by	CUSTOMER			07/17/23 17:10	
	pH	6.09	Std. Units		07/17/23 17:10	
EPA 6010D	Calcium	319	mg/L	5.0	07/25/23 17:13	
EPA 6010D	Manganese	18.0	mg/L	0.040	07/20/23 16:49	
EPA 6010D	Potassium	6.6	mg/L	0.50	07/20/23 16:49	
EPA 6010D	Sodium	13.6	mg/L	1.0	07/20/23 16:49	
EPA 6010D	Magnesium	25.6	mg/L	0.050	07/20/23 16:49	
EPA 6010D	Iron	6.6	mg/L	0.040	07/25/23 17:08	
EPA 6020B	Barium	0.037	mg/L	0.0050	07/19/23 19:18	
EPA 6020B	Boron	7.8	mg/L	0.20	07/21/23 17:55	
EPA 6020B	Cobalt	0.063	mg/L	0.0050	07/19/23 19:18	
EPA 6020B	Lithium	0.0057J	mg/L	0.030	07/19/23 19:18	
EPA 6020B	Thallium	0.00049J	mg/L	0.0010	07/19/23 19:18	
SM 2540C-2015	Total Dissolved Solids	1330	mg/L	25.0	07/18/23 15:26	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	140	mg/L	5.0	07/20/23 17:51	
SM 2320B-2011	Alkalinity, Total as CaCO3	140	mg/L	5.0	07/20/23 17:51	
EPA 300.0 Rev 2.1 1993	Chloride	156	mg/L	10.0	07/19/23 14:07	
EPA 300.0 Rev 2.1 1993	Sulfate	542	mg/L	10.0	07/19/23 14:07	
92677696003	**HAM-PT-05**					
	Performed by	CUSTOMER			07/17/23 17:11	
	pH	6.13	Std. Units		07/17/23 17:11	
EPA 6010D	Manganese	11.4	mg/L	0.040	07/20/23 16:54	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Hammond AP-2
Pace Project No.: 92677696

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92677696003	**HAM-PT-05**					
EPA 6010D	Potassium	4.5	mg/L	0.50	07/20/23 16:54	
EPA 6010D	Sodium	10.6	mg/L	1.0	07/20/23 16:54	
EPA 6010D	Magnesium	26.7	mg/L	0.050	07/20/23 16:54	
EPA 6010D	Iron	1.2	mg/L	0.040	07/25/23 17:18	
EPA 6010D	Calcium	287	mg/L	1.0	07/25/23 17:18	
EPA 6020B	Barium	0.045	mg/L	0.0050	07/19/23 19:24	
EPA 6020B	Boron	7.5	mg/L	0.20	07/21/23 18:00	
EPA 6020B	Cobalt	0.042	mg/L	0.0050	07/19/23 19:24	
EPA 6020B	Lithium	0.0050J	mg/L	0.030	07/19/23 19:24	
SM 2540C-2015	Total Dissolved Solids	1520	mg/L	25.0	07/18/23 15:26	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	148	mg/L	5.0	07/20/23 18:03	
SM 2320B-2011	Alkalinity, Total as CaCO3	148	mg/L	5.0	07/20/23 18:03	
EPA 300.0 Rev 2.1 1993	Chloride	166	mg/L	10.0	07/19/23 14:21	
EPA 300.0 Rev 2.1 1993	Sulfate	564	mg/L	10.0	07/19/23 14:21	
92677696004	**HAM-PT-04**					
	Performed by	CUSTOMER			07/17/23 17:11	
	pH	6.30	Std. Units		07/17/23 17:11	
EPA 6010D	Iron	16.0	mg/L	0.040	07/25/23 17:38	
EPA 6010D	Calcium	297	mg/L	1.0	07/25/23 17:38	
EPA 6010D	Manganese	17.8	mg/L	0.040	07/20/23 16:59	
EPA 6010D	Potassium	7.2	mg/L	0.50	07/20/23 16:59	
EPA 6010D	Sodium	12.2	mg/L	1.0	07/20/23 16:59	
EPA 6010D	Magnesium	24.1	mg/L	0.050	07/20/23 16:59	
EPA 6020B	Arsenic	0.0077J	mg/L	0.010	07/19/23 19:30	
EPA 6020B	Barium	0.048	mg/L	0.0050	07/19/23 19:30	
EPA 6020B	Boron	7.8	mg/L	0.20	07/21/23 18:06	
EPA 6020B	Cobalt	0.058	mg/L	0.0050	07/19/23 19:30	
EPA 6020B	Lithium	0.0050J	mg/L	0.030	07/19/23 19:30	
SM 2540C-2015	Total Dissolved Solids	1310	mg/L	25.0	07/18/23 15:26	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	155	mg/L	5.0	07/20/23 18:14	
SM 2320B-2011	Alkalinity, Total as CaCO3	155	mg/L	5.0	07/20/23 18:14	
EPA 300.0 Rev 2.1 1993	Chloride	153	mg/L	10.0	07/19/23 14:35	
EPA 300.0 Rev 2.1 1993	Sulfate	535	mg/L	10.0	07/19/23 14:35	
92677696005	**HAM-INW-02**					
	Performed by	CUSTOMER			07/17/23 17:11	
	pH	6.27	Std. Units		07/17/23 17:11	
EPA 6010D	Calcium	306	mg/L	5.0	07/25/23 17:53	
EPA 6010D	Iron	10.7	mg/L	0.040	07/25/23 17:48	
EPA 6010D	Manganese	16.0	mg/L	0.040	07/20/23 17:14	
EPA 6010D	Potassium	6.0	mg/L	0.50	07/20/23 17:14	
EPA 6010D	Sodium	11.1	mg/L	1.0	07/20/23 17:14	
EPA 6010D	Magnesium	25.8	mg/L	0.050	07/20/23 17:14	
EPA 6020B	Arsenic	0.0057J	mg/L	0.010	07/19/23 19:36	
EPA 6020B	Barium	0.070	mg/L	0.0050	07/19/23 19:36	
EPA 6020B	Boron	7.1	mg/L	0.20	07/21/23 18:12	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Hammond AP-2
Pace Project No.: 92677696

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92677696005	**HAM-INW-02**					
EPA 6020B	Cobalt	0.060	mg/L	0.0050	07/19/23 19:36	
EPA 6020B	Lithium	0.0057J	mg/L	0.030	07/19/23 19:36	
EPA 6020B	Thallium	0.00037J	mg/L	0.0010	07/19/23 19:36	
SM 2540C-2015	Total Dissolved Solids	1460	mg/L	25.0	07/18/23 15:29	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	159	mg/L	5.0	07/20/23 18:27	
SM 2320B-2011	Alkalinity, Total as CaCO3	159	mg/L	5.0	07/20/23 18:27	
EPA 300.0 Rev 2.1 1993	Chloride	153	mg/L	10.0	07/19/23 14:49	
EPA 300.0 Rev 2.1 1993	Sulfate	532	mg/L	10.0	07/19/23 14:49	
92677696006	**HAM-AP2-FD-01**					
EPA 6010D	Iron	10.1	mg/L	0.040	07/25/23 17:58	
EPA 6010D	Manganese	15.5	mg/L	0.040	07/20/23 17:19	
EPA 6010D	Potassium	5.8	mg/L	0.50	07/20/23 17:19	
EPA 6010D	Sodium	10.8	mg/L	1.0	07/20/23 17:19	
EPA 6010D	Calcium	299	mg/L	1.0	07/20/23 17:19	
EPA 6010D	Magnesium	25.0	mg/L	0.050	07/20/23 17:19	
EPA 6020B	Arsenic	0.0054J	mg/L	0.010	07/19/23 19:48	
EPA 6020B	Barium	0.069	mg/L	0.0050	07/19/23 19:48	
EPA 6020B	Boron	7.1	mg/L	0.20	07/21/23 18:18	
EPA 6020B	Cobalt	0.059	mg/L	0.0050	07/19/23 19:48	
EPA 6020B	Lithium	0.0056J	mg/L	0.030	07/19/23 19:48	
EPA 6020B	Thallium	0.00037J	mg/L	0.0010	07/19/23 19:48	
SM 2540C-2015	Total Dissolved Solids	1520	mg/L	25.0	07/18/23 15:29	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	159	mg/L	5.0	07/20/23 18:38	
SM 2320B-2011	Alkalinity, Total as CaCO3	159	mg/L	5.0	07/20/23 18:38	
EPA 300.0 Rev 2.1 1993	Chloride	152	mg/L	10.0	07/19/23 15:03	
EPA 300.0 Rev 2.1 1993	Sulfate	531	mg/L	10.0	07/19/23 15:03	
92677696008	**HAM-MW-59**					
	Performed by	CUSTOMER			07/19/23 15:54	
	pH	4.59	Std. Units		07/19/23 15:54	
EPA 6010D	Boron	9.7	mg/L	0.040	08/01/23 14:52	M1
EPA 6020B	Cobalt	0.16	mg/L	0.0050	07/27/23 15:24	
92677696009	**HAM-MW-33**					
	Performed by	CUSTOMER			07/19/23 15:54	
	pH	4.48	Std. Units		07/19/23 15:54	
EPA 6010D	Iron	0.22	mg/L	0.040	08/01/23 15:12	
EPA 6010D	Manganese	4.1	mg/L	0.040	08/01/23 15:12	
EPA 6010D	Potassium	9.6	mg/L	0.50	08/01/23 15:12	
EPA 6010D	Sodium	9.3	mg/L	1.0	08/01/23 15:12	
EPA 6010D	Magnesium	38.9	mg/L	0.050	08/01/23 15:12	
EPA 6010D	Calcium	397	mg/L	5.0	08/02/23 12:39	
EPA 6020B	Arsenic	0.0050J	mg/L	0.010	07/27/23 15:30	
EPA 6020B	Barium	0.022	mg/L	0.0050	07/27/23 15:30	
EPA 6020B	Beryllium	0.00096	mg/L	0.00050	07/27/23 15:30	
EPA 6020B	Boron	6.9	mg/L	0.040	07/27/23 15:30	

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SUMMARY OF DETECTION

Project: Hammond AP-2
Pace Project No.: 92677696

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92677696009	**HAM-MW-33**					
EPA 6020B	Cadmium	0.00017J	mg/L	0.00050	07/27/23 15:30	
EPA 6020B	Cobalt	0.060	mg/L	0.0050	07/27/23 15:30	
EPA 6020B	Lead	0.0012	mg/L	0.0010	07/27/23 15:30	
EPA 6020B	Selenium	0.0051	mg/L	0.0050	07/27/23 15:30	
EPA 6020B	Thallium	0.00022J	mg/L	0.0010	07/27/23 15:30	
SM 2540C-2015	Total Dissolved Solids	1850	mg/L	25.0	07/21/23 12:01	
EPA 300.0 Rev 2.1 1993	Chloride	102	mg/L	21.0	07/21/23 13:39	
EPA 300.0 Rev 2.1 1993	Fluoride	0.22	mg/L	0.10	07/20/23 18:59	
EPA 300.0 Rev 2.1 1993	Sulfate	1090	mg/L	21.0	07/21/23 13:39	
92677696010	**HAM-MW-35**					
	Performed by	CUSTOMER			07/19/23 15:55	
	pH	4.93	Std. Units		07/19/23 15:55	
EPA 6010D	Iron	0.76	mg/L	0.040	08/01/23 15:17	
EPA 6010D	Manganese	9.7	mg/L	0.040	08/01/23 15:17	
EPA 6010D	Potassium	7.1	mg/L	0.50	08/01/23 15:17	
EPA 6010D	Sodium	12.1	mg/L	1.0	08/01/23 15:17	
EPA 6010D	Magnesium	74.1	mg/L	0.050	08/01/23 15:17	
EPA 6010D	Calcium	492	mg/L	5.0	08/02/23 12:44	
EPA 6020B	Arsenic	0.0056J	mg/L	0.010	07/27/23 15:36	
EPA 6020B	Barium	0.022	mg/L	0.0050	07/27/23 15:36	
EPA 6020B	Beryllium	0.00053	mg/L	0.00050	07/27/23 15:36	
EPA 6020B	Boron	9.5	mg/L	0.040	07/27/23 15:36	
EPA 6020B	Cadmium	0.0012	mg/L	0.00050	07/27/23 15:36	
EPA 6020B	Chromium	0.0014J	mg/L	0.0050	07/27/23 15:36	
EPA 6020B	Cobalt	0.087	mg/L	0.0050	07/27/23 15:36	
EPA 6020B	Lead	0.00090J	mg/L	0.0010	07/27/23 15:36	
EPA 6020B	Lithium	0.0035J	mg/L	0.030	07/27/23 15:36	
EPA 6020B	Selenium	0.0052	mg/L	0.0050	07/27/23 15:36	
SM 2540C-2015	Total Dissolved Solids	2340	mg/L	25.0	07/21/23 12:02	1g
EPA 300.0 Rev 2.1 1993	Chloride	191	mg/L	24.0	07/21/23 07:01	
EPA 300.0 Rev 2.1 1993	Fluoride	0.077J	mg/L	0.10	07/20/23 19:15	
EPA 300.0 Rev 2.1 1993	Sulfate	1200	mg/L	24.0	07/21/23 07:01	
92677696011	**HAM-PT-03**					
	Performed by	CUSTOMER			07/19/23 15:55	
	pH	4.64	Std. Units		07/19/23 15:55	
EPA 6010D	Iron	0.26	mg/L	0.040	08/01/23 15:22	
EPA 6010D	Manganese	8.2	mg/L	0.040	08/01/23 15:22	
EPA 6010D	Potassium	5.4	mg/L	0.50	08/01/23 15:22	
EPA 6010D	Sodium	11.7	mg/L	1.0	08/01/23 15:22	
EPA 6010D	Magnesium	36.9	mg/L	0.050	08/01/23 15:22	
EPA 6010D	Calcium	382	mg/L	5.0	08/03/23 17:02	
EPA 6020B	Antimony	0.0029J	mg/L	0.0030	07/27/23 16:00	
EPA 6020B	Arsenic	0.0076J	mg/L	0.010	07/27/23 16:00	
EPA 6020B	Barium	0.025	mg/L	0.0050	07/27/23 16:00	
EPA 6020B	Beryllium	0.0026	mg/L	0.00050	07/27/23 16:00	

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SUMMARY OF DETECTION

Project: Hammond AP-2
Pace Project No.: 92677696

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92677696011	**HAM-PT-03**					
EPA 6020B	Boron	8.2	mg/L	0.040	07/27/23 16:00	
EPA 6020B	Cadmium	0.00062	mg/L	0.00050	07/27/23 16:00	
EPA 6020B	Chromium	0.0011J	mg/L	0.0050	07/27/23 16:00	
EPA 6020B	Cobalt	0.12	mg/L	0.0050	07/27/23 16:00	
EPA 6020B	Lead	0.0014	mg/L	0.0010	07/27/23 16:00	
EPA 6020B	Lithium	0.0031J	mg/L	0.030	07/27/23 16:00	
EPA 6020B	Selenium	0.011	mg/L	0.0050	07/27/23 16:00	
EPA 6020B	Thallium	0.00021J	mg/L	0.0010	07/27/23 16:00	
SM 2540C-2015	Total Dissolved Solids	2690	mg/L	25.0	07/21/23 12:02	1g
EPA 300.0 Rev 2.1 1993	Chloride	138	mg/L	19.0	07/21/23 07:47	
EPA 300.0 Rev 2.1 1993	Fluoride	0.84	mg/L	0.10	07/21/23 01:51	
EPA 300.0 Rev 2.1 1993	Sulfate	948	mg/L	19.0	07/21/23 07:47	M1
92677696012	**HAM-PT-01**					
	Performed by	CUSTOMER			07/19/23 15:56	
	pH	4.63	Std. Units		07/19/23 15:56	
EPA 6010D	Iron	0.078	mg/L	0.040	08/01/23 15:27	
EPA 6010D	Manganese	9.6	mg/L	0.040	08/01/23 15:27	
EPA 6010D	Potassium	5.2	mg/L	0.50	08/01/23 15:27	
EPA 6010D	Sodium	8.8	mg/L	1.0	08/01/23 15:27	
EPA 6010D	Magnesium	38.2	mg/L	0.050	08/01/23 15:27	
EPA 6010D	Calcium	370	mg/L	5.0	08/02/23 12:54	
EPA 6020B	Arsenic	0.0075J	mg/L	0.010	07/27/23 16:06	
EPA 6020B	Barium	0.046	mg/L	0.0050	07/27/23 16:06	
EPA 6020B	Beryllium	0.0024	mg/L	0.00050	07/27/23 16:06	
EPA 6020B	Boron	8.1	mg/L	0.040	07/27/23 16:06	
EPA 6020B	Cadmium	0.00099	mg/L	0.00050	07/27/23 16:06	
EPA 6020B	Cobalt	0.11	mg/L	0.0050	07/27/23 16:06	
EPA 6020B	Lead	0.00072J	mg/L	0.0010	07/27/23 16:06	
EPA 6020B	Lithium	0.0052J	mg/L	0.030	07/27/23 16:06	
EPA 6020B	Selenium	0.011	mg/L	0.0050	07/27/23 16:06	
EPA 7470A	Mercury	0.00023	mg/L	0.00020	08/01/23 12:09	
SM 2540C-2015	Total Dissolved Solids	1700	mg/L	25.0	07/21/23 12:02	
EPA 300.0 Rev 2.1 1993	Chloride	147	mg/L	11.0	07/21/23 08:32	
EPA 300.0 Rev 2.1 1993	Fluoride	0.70	mg/L	0.10	07/21/23 02:38	
EPA 300.0 Rev 2.1 1993	Sulfate	892	mg/L	11.0	07/21/23 08:32	
92677696013	**HAM-PT-02**					
	Performed by	CUSTOMER			07/19/23 15:56	
	pH	4.97	Std. Units		07/19/23 15:56	
EPA 6010D	Iron	0.44	mg/L	0.040	08/01/23 15:47	
EPA 6010D	Manganese	12.6	mg/L	0.040	08/01/23 15:47	
EPA 6010D	Potassium	5.2	mg/L	0.50	08/01/23 15:47	
EPA 6010D	Sodium	9.3	mg/L	1.0	08/01/23 15:47	
EPA 6010D	Magnesium	44.0	mg/L	0.050	08/01/23 15:47	
EPA 6010D	Calcium	379	mg/L	5.0	08/02/23 12:59	
EPA 6020B	Antimony	0.0013J	mg/L	0.0030	07/27/23 16:58	

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SUMMARY OF DETECTION

Project: Hammond AP-2
Pace Project No.: 92677696

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92677696013	**HAM-PT-02**					
EPA 6020B	Arsenic	0.0063J	mg/L	0.010	07/27/23 16:58	
EPA 6020B	Barium	0.054	mg/L	0.0050	07/27/23 16:58	
EPA 6020B	Beryllium	0.0016	mg/L	0.00050	07/27/23 16:58	
EPA 6020B	Boron	8.3	mg/L	0.040	07/27/23 16:58	
EPA 6020B	Cadmium	0.00091	mg/L	0.00050	07/27/23 16:58	
EPA 6020B	Cobalt	0.13	mg/L	0.0050	07/27/23 16:58	
EPA 6020B	Lead	0.00043J	mg/L	0.0010	07/27/23 16:58	
EPA 6020B	Lithium	0.0069J	mg/L	0.030	07/27/23 16:58	
EPA 6020B	Selenium	0.0075	mg/L	0.0050	07/27/23 16:58	
SM 2540C-2015	Total Dissolved Solids	1830	mg/L	25.0	07/21/23 12:03	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	5.5	mg/L	5.0	07/24/23 13:11	
SM 2320B-2011	Alkalinity, Total as CaCO3	5.5	mg/L	5.0	07/24/23 13:11	
EPA 300.0 Rev 2.1 1993	Chloride	174	mg/L	11.0	07/21/23 08:47	
EPA 300.0 Rev 2.1 1993	Fluoride	0.47	mg/L	0.10	07/21/23 02:54	
EPA 300.0 Rev 2.1 1993	Sulfate	938	mg/L	11.0	07/21/23 08:47	
92677696014	**HAM-INW-01**					
	Performed by	CUSTOMER			07/19/23 15:56	
	pH	5.18	Std. Units		07/19/23 15:56	
EPA 6010D	Iron	2.9	mg/L	0.040	08/01/23 15:53	
EPA 6010D	Manganese	14.4	mg/L	0.040	08/01/23 15:53	
EPA 6010D	Potassium	5.4	mg/L	0.50	08/01/23 15:53	
EPA 6010D	Sodium	10	mg/L	1.0	08/01/23 15:53	
EPA 6010D	Magnesium	52.3	mg/L	0.050	08/01/23 15:53	
EPA 6010D	Calcium	397	mg/L	5.0	08/02/23 13:04	
EPA 6020B	Arsenic	0.0061J	mg/L	0.010	07/27/23 17:04	
EPA 6020B	Barium	0.069	mg/L	0.0050	07/27/23 17:04	
EPA 6020B	Beryllium	0.0010	mg/L	0.00050	07/27/23 17:04	
EPA 6020B	Boron	8.7	mg/L	0.040	07/27/23 17:04	
EPA 6020B	Cadmium	0.00059	mg/L	0.00050	07/27/23 17:04	
EPA 6020B	Cobalt	0.13	mg/L	0.0050	07/27/23 17:04	
EPA 6020B	Lead	0.00037J	mg/L	0.0010	07/27/23 17:04	
EPA 6020B	Lithium	0.0064J	mg/L	0.030	07/27/23 17:04	
EPA 6020B	Selenium	0.0075	mg/L	0.0050	07/27/23 17:04	
SM 2540C-2015	Total Dissolved Solids	2000	mg/L	25.0	07/21/23 12:03	1g
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	14.9	mg/L	5.0	07/24/23 13:16	
SM 2320B-2011	Alkalinity, Total as CaCO3	14.9	mg/L	5.0	07/24/23 13:16	
EPA 300.0 Rev 2.1 1993	Chloride	210	mg/L	19.0	07/21/23 09:18	
EPA 300.0 Rev 2.1 1993	Fluoride	0.34	mg/L	0.10	07/21/23 03:56	
EPA 300.0 Rev 2.1 1993	Sulfate	975	mg/L	19.0	07/21/23 09:18	
92677696015	**HAM-MW-57**					
	Performed by	CUSTOMER			07/19/23 15:57	
	pH	6.45	Std. Units		07/19/23 15:57	
EPA 6010D	Boron	8.5	mg/L	0.040	08/01/23 15:58	
EPA 6020B	Cobalt	0.049	mg/L	0.0050	07/27/23 17:10	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-HGWC-18 **Lab ID: 92677696001** Collected: 07/14/23 09:57 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	**CUSTOMER**				1		07/17/23 17:10		
pH	**4.59**	Std. Units			1		07/17/23 17:10		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Manganese	**3.6**	mg/L	0.040	0.011	1	07/20/23 09:50	07/20/23 16:44	7439-96-5	
Potassium	**10.7**	mg/L	0.50	0.15	1	07/20/23 09:50	07/20/23 16:44	7440-09-7	
Sodium	**11.9**	mg/L	1.0	0.58	1	07/20/23 09:50	07/20/23 16:44	7440-23-5	
Magnesium	**39.1**	mg/L	0.050	0.012	1	07/20/23 09:50	07/20/23 16:44	7439-95-4	
Iron	**0.34**	mg/L	0.040	0.025	1	07/20/23 09:50	07/25/23 16:58	7439-89-6	
Calcium	**394**	mg/L	5.0	0.61	5	07/20/23 09:50	07/25/23 17:03	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	07/18/23 13:46	07/19/23 19:12	7440-36-0	
Arsenic	ND	mg/L	0.010	0.0037	1	07/18/23 13:46	07/19/23 19:12	7440-38-2	
Barium	**0.023**	mg/L	0.0050	0.00067	1	07/18/23 13:46	07/19/23 19:12	7440-39-3	
Beryllium	**0.0027**	mg/L	0.00050	0.000054	1	07/18/23 13:46	07/19/23 19:12	7440-41-7	
Boron	**7.7**	mg/L	0.20	0.043	5	07/18/23 13:46	07/21/23 17:49	7440-42-8	
Cadmium	**0.0014**	mg/L	0.00050	0.00011	1	07/18/23 13:46	07/19/23 19:12	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/18/23 13:46	07/19/23 19:12	7440-47-3	
Cobalt	**0.13**	mg/L	0.0050	0.00039	1	07/18/23 13:46	07/19/23 19:12	7440-48-4	
Lead	**0.0015**	mg/L	0.0010	0.00012	1	07/18/23 13:46	07/19/23 19:12	7439-92-1	
Lithium	**0.010J**	mg/L	0.030	0.00073	1	07/18/23 13:46	07/19/23 19:12	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/18/23 13:46	07/19/23 19:12	7439-98-7	
Selenium	**0.0063**	mg/L	0.0050	0.0014	1	07/18/23 13:46	07/19/23 19:12	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	07/18/23 13:46	07/19/23 19:12	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	**0.00020J**	mg/L	0.00020	0.00013	1	08/01/23 07:00	08/01/23 11:29	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1760**	mg/L	25.0	25.0	1		07/18/23 15:26		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/20/23 17:47		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/20/23 17:47		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		07/20/23 17:47		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-HGWC-18 **Lab ID: 92677696001** Collected: 07/14/23 09:57 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/20/23 03:43	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**104**	mg/L	12.0	7.2	12		07/19/23 13:52	16887-00-6	
Fluoride	**0.28**	mg/L	0.10	0.050	1		07/19/23 07:01	16984-48-8	
Sulfate	**927**	mg/L	12.0	6.0	12		07/19/23 13:52	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-PT-06 **Lab ID: 92677696002** Collected: 07/14/23 11:05 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	**CUSTOMER**				1		07/17/23 17:10		
pH	**6.09**	Std. Units			1		07/17/23 17:10		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**319**	mg/L	5.0	0.61	5	07/20/23 09:50	07/25/23 17:13	7440-70-2	
Manganese	**18.0**	mg/L	0.040	0.011	1	07/20/23 09:50	07/20/23 16:49	7439-96-5	
Potassium	**6.6**	mg/L	0.50	0.15	1	07/20/23 09:50	07/20/23 16:49	7440-09-7	
Sodium	**13.6**	mg/L	1.0	0.58	1	07/20/23 09:50	07/20/23 16:49	7440-23-5	
Magnesium	**25.6**	mg/L	0.050	0.012	1	07/20/23 09:50	07/20/23 16:49	7439-95-4	
Iron	**6.6**	mg/L	0.040	0.025	1	07/20/23 09:50	07/25/23 17:08	7439-89-6	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	07/18/23 13:46	07/19/23 19:18	7440-36-0	
Arsenic	ND	mg/L	0.010	0.0037	1	07/18/23 13:46	07/19/23 19:18	7440-38-2	
Barium	**0.037**	mg/L	0.0050	0.00067	1	07/18/23 13:46	07/19/23 19:18	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/18/23 13:46	07/19/23 19:18	7440-41-7	
Boron	**7.8**	mg/L	0.20	0.043	5	07/18/23 13:46	07/21/23 17:55	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/18/23 13:46	07/19/23 19:18	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/18/23 13:46	07/19/23 19:18	7440-47-3	
Cobalt	**0.063**	mg/L	0.0050	0.00039	1	07/18/23 13:46	07/19/23 19:18	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	07/18/23 13:46	07/19/23 19:18	7439-92-1	
Lithium	**0.0057J**	mg/L	0.030	0.00073	1	07/18/23 13:46	07/19/23 19:18	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/18/23 13:46	07/19/23 19:18	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	07/18/23 13:46	07/19/23 19:18	7782-49-2	
Thallium	**0.00049J**	mg/L	0.0010	0.00018	1	07/18/23 13:46	07/19/23 19:18	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/01/23 07:00	08/01/23 11:40	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1330**	mg/L	25.0	25.0	1		07/18/23 15:26		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**140**	mg/L	5.0	5.0	1		07/20/23 17:51		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/20/23 17:51		
Alkalinity, Total as CaCO3	**140**	mg/L	5.0	5.0	1		07/20/23 17:51		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-PT-06 **Lab ID: 92677696002** Collected: 07/14/23 11:05 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/20/23 03:44	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**156**	mg/L	10.0	6.0	10		07/19/23 14:07	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		07/19/23 07:16	16984-48-8	
Sulfate	**542**	mg/L	10.0	5.0	10		07/19/23 14:07	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-PT-05 **Lab ID: 92677696003** Collected: 07/14/23 13:00 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	**CUSTOMER**				1		07/17/23 17:11		
pH	**6.13**	Std. Units			1		07/17/23 17:11		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Manganese	**11.4**	mg/L	0.040	0.011	1	07/20/23 09:50	07/20/23 16:54	7439-96-5	
Potassium	**4.5**	mg/L	0.50	0.15	1	07/20/23 09:50	07/20/23 16:54	7440-09-7	
Sodium	**10.6**	mg/L	1.0	0.58	1	07/20/23 09:50	07/20/23 16:54	7440-23-5	
Magnesium	**26.7**	mg/L	0.050	0.012	1	07/20/23 09:50	07/20/23 16:54	7439-95-4	
Iron	**1.2**	mg/L	0.040	0.025	1	07/20/23 09:50	07/25/23 17:18	7439-89-6	
Calcium	**287**	mg/L	1.0	0.12	1	07/20/23 09:50	07/25/23 17:18	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	07/18/23 13:46	07/19/23 19:24	7440-36-0	
Arsenic	ND	mg/L	0.010	0.0037	1	07/18/23 13:46	07/19/23 19:24	7440-38-2	
Barium	**0.045**	mg/L	0.0050	0.00067	1	07/18/23 13:46	07/19/23 19:24	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/18/23 13:46	07/19/23 19:24	7440-41-7	
Boron	**7.5**	mg/L	0.20	0.043	5	07/18/23 13:46	07/21/23 18:00	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/18/23 13:46	07/19/23 19:24	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/18/23 13:46	07/19/23 19:24	7440-47-3	
Cobalt	**0.042**	mg/L	0.0050	0.00039	1	07/18/23 13:46	07/19/23 19:24	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	07/18/23 13:46	07/19/23 19:24	7439-92-1	
Lithium	**0.0050J**	mg/L	0.030	0.00073	1	07/18/23 13:46	07/19/23 19:24	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/18/23 13:46	07/19/23 19:24	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	07/18/23 13:46	07/19/23 19:24	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	07/18/23 13:46	07/19/23 19:24	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/01/23 07:00	08/01/23 11:43	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1520**	mg/L	25.0	25.0	1		07/18/23 15:26		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**148**	mg/L	5.0	5.0	1		07/20/23 18:03		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/20/23 18:03		
Alkalinity, Total as CaCO3	**148**	mg/L	5.0	5.0	1		07/20/23 18:03		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-PT-05 **Lab ID: 92677696003** Collected: 07/14/23 13:00 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/20/23 03:44	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**166**	mg/L	10.0	6.0	10		07/19/23 14:21	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		07/19/23 07:30	16984-48-8	
Sulfate	**564**	mg/L	10.0	5.0	10		07/19/23 14:21	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-PT-04 **Lab ID: 92677696004** Collected: 07/14/23 14:03 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	**CUSTOMER**				1		07/17/23 17:11		
pH	**6.30**	Std. Units			1		07/17/23 17:11		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**16.0**	mg/L	0.040	0.025	1	07/20/23 09:50	07/25/23 17:38	7439-89-6	
Calcium	**297**	mg/L	1.0	0.12	1	07/20/23 09:50	07/25/23 17:38	7440-70-2	
Manganese	**17.8**	mg/L	0.040	0.011	1	07/20/23 09:50	07/20/23 16:59	7439-96-5	
Potassium	**7.2**	mg/L	0.50	0.15	1	07/20/23 09:50	07/20/23 16:59	7440-09-7	
Sodium	**12.2**	mg/L	1.0	0.58	1	07/20/23 09:50	07/20/23 16:59	7440-23-5	
Magnesium	**24.1**	mg/L	0.050	0.012	1	07/20/23 09:50	07/20/23 16:59	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	07/18/23 13:46	07/19/23 19:30	7440-36-0	
Arsenic	**0.0077J**	mg/L	0.010	0.0037	1	07/18/23 13:46	07/19/23 19:30	7440-38-2	
Barium	**0.048**	mg/L	0.0050	0.00067	1	07/18/23 13:46	07/19/23 19:30	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/18/23 13:46	07/19/23 19:30	7440-41-7	
Boron	**7.8**	mg/L	0.20	0.043	5	07/18/23 13:46	07/21/23 18:06	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/18/23 13:46	07/19/23 19:30	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/18/23 13:46	07/19/23 19:30	7440-47-3	
Cobalt	**0.058**	mg/L	0.0050	0.00039	1	07/18/23 13:46	07/19/23 19:30	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	07/18/23 13:46	07/19/23 19:30	7439-92-1	
Lithium	**0.0050J**	mg/L	0.030	0.00073	1	07/18/23 13:46	07/19/23 19:30	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/18/23 13:46	07/19/23 19:30	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	07/18/23 13:46	07/19/23 19:30	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	07/18/23 13:46	07/19/23 19:30	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/01/23 07:00	08/01/23 11:45	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1310**	mg/L	25.0	25.0	1		07/18/23 15:26		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**155**	mg/L	5.0	5.0	1		07/20/23 18:14		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/20/23 18:14		
Alkalinity, Total as CaCO3	**155**	mg/L	5.0	5.0	1		07/20/23 18:14		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-PT-04 **Lab ID: 92677696004** Collected: 07/14/23 14:03 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/20/23 03:44	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**153**	mg/L	10.0	6.0	10		07/19/23 14:35	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		07/19/23 07:44	16984-48-8	
Sulfate	**535**	mg/L	10.0	5.0	10		07/19/23 14:35	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-INW-02 **Lab ID: 92677696005** Collected: 07/14/23 14:57 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	**CUSTOMER**				1		07/17/23 17:11		
pH	**6.27**	Std. Units			1		07/17/23 17:11		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**306**	mg/L	5.0	0.61	5	07/20/23 09:50	07/25/23 17:53	7440-70-2	
Iron	**10.7**	mg/L	0.040	0.025	1	07/20/23 09:50	07/25/23 17:48	7439-89-6	
Manganese	**16.0**	mg/L	0.040	0.011	1	07/20/23 09:50	07/20/23 17:14	7439-96-5	
Potassium	**6.0**	mg/L	0.50	0.15	1	07/20/23 09:50	07/20/23 17:14	7440-09-7	
Sodium	**11.1**	mg/L	1.0	0.58	1	07/20/23 09:50	07/20/23 17:14	7440-23-5	
Magnesium	**25.8**	mg/L	0.050	0.012	1	07/20/23 09:50	07/20/23 17:14	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	07/18/23 13:46	07/19/23 19:36	7440-36-0	
Arsenic	**0.0057J**	mg/L	0.010	0.0037	1	07/18/23 13:46	07/19/23 19:36	7440-38-2	
Barium	**0.070**	mg/L	0.0050	0.00067	1	07/18/23 13:46	07/19/23 19:36	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/18/23 13:46	07/19/23 19:36	7440-41-7	
Boron	**7.1**	mg/L	0.20	0.043	5	07/18/23 13:46	07/21/23 18:12	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/18/23 13:46	07/19/23 19:36	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/18/23 13:46	07/19/23 19:36	7440-47-3	
Cobalt	**0.060**	mg/L	0.0050	0.00039	1	07/18/23 13:46	07/19/23 19:36	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	07/18/23 13:46	07/19/23 19:36	7439-92-1	
Lithium	**0.0057J**	mg/L	0.030	0.00073	1	07/18/23 13:46	07/19/23 19:36	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/18/23 13:46	07/19/23 19:36	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	07/18/23 13:46	07/19/23 19:36	7782-49-2	
Thallium	**0.00037J**	mg/L	0.0010	0.00018	1	07/18/23 13:46	07/19/23 19:36	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/01/23 07:00	08/01/23 11:48	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1460**	mg/L	25.0	25.0	1		07/18/23 15:29		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**159**	mg/L	5.0	5.0	1		07/20/23 18:27		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/20/23 18:27		
Alkalinity, Total as CaCO3	**159**	mg/L	5.0	5.0	1		07/20/23 18:27		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-INW-02 **Lab ID: 92677696005** Collected: 07/14/23 14:57 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/20/23 03:45	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**153**	mg/L	10.0	6.0	10		07/19/23 14:49	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		07/19/23 07:59	16984-48-8	
Sulfate	**532**	mg/L	10.0	5.0	10		07/19/23 14:49	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-AP2-FD-01 **Lab ID: 92677696006** Collected: 07/14/23 00:00 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**10.1**	mg/L	0.040	0.025	1	07/20/23 09:50	07/25/23 17:58	7439-89-6	
Manganese	**15.5**	mg/L	0.040	0.011	1	07/20/23 09:50	07/20/23 17:19	7439-96-5	
Potassium	**5.8**	mg/L	0.50	0.15	1	07/20/23 09:50	07/20/23 17:19	7440-09-7	
Sodium	**10.8**	mg/L	1.0	0.58	1	07/20/23 09:50	07/20/23 17:19	7440-23-5	
Calcium	**299**	mg/L	1.0	0.12	1	07/20/23 09:50	07/20/23 17:19	7440-70-2	
Magnesium	**25.0**	mg/L	0.050	0.012	1	07/20/23 09:50	07/20/23 17:19	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	07/18/23 13:46	07/19/23 19:48	7440-36-0	
Arsenic	**0.0054J**	mg/L	0.010	0.0037	1	07/18/23 13:46	07/19/23 19:48	7440-38-2	
Barium	**0.069**	mg/L	0.0050	0.00067	1	07/18/23 13:46	07/19/23 19:48	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/18/23 13:46	07/19/23 19:48	7440-41-7	
Boron	**7.1**	mg/L	0.20	0.043	5	07/18/23 13:46	07/21/23 18:18	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/18/23 13:46	07/19/23 19:48	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/18/23 13:46	07/19/23 19:48	7440-47-3	
Cobalt	**0.059**	mg/L	0.0050	0.00039	1	07/18/23 13:46	07/19/23 19:48	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	07/18/23 13:46	07/19/23 19:48	7439-92-1	
Lithium	**0.0056J**	mg/L	0.030	0.00073	1	07/18/23 13:46	07/19/23 19:48	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/18/23 13:46	07/19/23 19:48	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	07/18/23 13:46	07/19/23 19:48	7782-49-2	
Thallium	**0.00037J**	mg/L	0.0010	0.00018	1	07/18/23 13:46	07/19/23 19:48	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/01/23 07:00	08/01/23 11:56	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1520**	mg/L	25.0	25.0	1		07/18/23 15:29		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**159**	mg/L	5.0	5.0	1		07/20/23 18:38		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/20/23 18:38		
Alkalinity, Total as CaCO3	**159**	mg/L	5.0	5.0	1		07/20/23 18:38		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/20/23 03:46	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**152**	mg/L	10.0	6.0	10		07/19/23 15:03	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-AP2-FD-01 **Lab ID: 92677696006** Collected: 07/14/23 00:00 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		07/19/23 08:13	16984-48-8	
Sulfate	**531**	mg/L	10.0	5.0	10		07/19/23 15:03	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-AP2-FB-01 **Lab ID: 92677696007** Collected: 07/17/23 08:45 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	ND	mg/L	0.040	0.025	1	07/20/23 09:50	07/25/23 18:03	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	07/20/23 09:50	07/20/23 17:24	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	07/20/23 09:50	07/20/23 17:24	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	07/20/23 09:50	07/20/23 17:24	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	07/20/23 09:50	07/20/23 17:24	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	07/20/23 09:50	07/20/23 17:24	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	07/18/23 13:46	07/19/23 20:06	7440-36-0	
Arsenic	ND	mg/L	0.010	0.0037	1	07/18/23 13:46	07/19/23 20:06	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	07/18/23 13:46	07/19/23 20:06	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/18/23 13:46	07/19/23 20:06	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	07/18/23 13:46	08/04/23 12:45	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/18/23 13:46	07/19/23 20:06	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/18/23 13:46	07/19/23 20:06	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	07/18/23 13:46	07/19/23 20:06	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	07/18/23 13:46	08/04/23 12:45	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	07/18/23 13:46	07/19/23 20:06	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/18/23 13:46	07/19/23 20:06	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	07/18/23 13:46	07/19/23 20:06	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	07/18/23 13:46	07/19/23 20:06	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/01/23 07:00	08/01/23 11:58	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		07/18/23 15:31		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/20/23 18:50		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/20/23 18:50		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		07/20/23 18:50		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/20/23 04:01	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		07/19/23 08:27	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-AP2-FB-01 **Lab ID: 92677696007** Collected: 07/17/23 08:45 Received: 07/17/23 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		07/19/23 08:27	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		07/19/23 08:27	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-MW-59 **Lab ID: 92677696008** Collected: 07/17/23 16:24 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	**CUSTOMER**				1		07/19/23 15:54		
pH	**4.59**	Std. Units			1		07/19/23 15:54		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Boron	**9.7**	mg/L	0.040	0.027	1	07/21/23 11:15	08/01/23 14:52	7440-42-8	M1
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Cobalt	**0.16**	mg/L	0.0050	0.00039	1	07/21/23 13:26	07/27/23 15:24	7440-48-4	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-MW-33 **Lab ID: 92677696009** Collected: 07/18/23 09:47 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	**CUSTOMER**				1		07/19/23 15:54		
pH	**4.48**	Std. Units			1		07/19/23 15:54		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**0.22**	mg/L	0.040	0.025	1	07/21/23 11:15	08/01/23 15:12	7439-89-6	
Manganese	**4.1**	mg/L	0.040	0.011	1	07/21/23 11:15	08/01/23 15:12	7439-96-5	
Potassium	**9.6**	mg/L	0.50	0.15	1	07/21/23 11:15	08/01/23 15:12	7440-09-7	
Sodium	**9.3**	mg/L	1.0	0.58	1	07/21/23 11:15	08/01/23 15:12	7440-23-5	
Magnesium	**38.9**	mg/L	0.050	0.012	1	07/21/23 11:15	08/01/23 15:12	7439-95-4	
Calcium	**397**	mg/L	5.0	0.61	5	07/21/23 11:15	08/02/23 12:39	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	07/21/23 13:26	07/27/23 15:30	7440-36-0	
Arsenic	**0.0050J**	mg/L	0.010	0.0037	1	07/21/23 13:26	07/27/23 15:30	7440-38-2	
Barium	**0.022**	mg/L	0.0050	0.00067	1	07/21/23 13:26	07/27/23 15:30	7440-39-3	
Beryllium	**0.00096**	mg/L	0.00050	0.000054	1	07/21/23 13:26	07/27/23 15:30	7440-41-7	
Boron	**6.9**	mg/L	0.040	0.0086	1	07/21/23 13:26	07/27/23 15:30	7440-42-8	
Cadmium	**0.00017J**	mg/L	0.00050	0.00011	1	07/21/23 13:26	07/27/23 15:30	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/21/23 13:26	07/27/23 15:30	7440-47-3	
Cobalt	**0.060**	mg/L	0.0050	0.00039	1	07/21/23 13:26	07/27/23 15:30	7440-48-4	
Lead	**0.0012**	mg/L	0.0010	0.00012	1	07/21/23 13:26	07/27/23 15:30	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	07/21/23 13:26	07/27/23 15:30	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/21/23 13:26	07/27/23 15:30	7439-98-7	
Selenium	**0.0051**	mg/L	0.0050	0.0014	1	07/21/23 13:26	07/27/23 15:30	7782-49-2	
Thallium	**0.00022J**	mg/L	0.0010	0.00018	1	07/21/23 13:26	07/27/23 15:30	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/01/23 07:00	08/01/23 12:01	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1850**	mg/L	25.0	25.0	1		07/21/23 12:01		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/24/23 12:42		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/24/23 12:42		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		07/24/23 12:42		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-MW-33 **Lab ID: 92677696009** Collected: 07/18/23 09:47 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/20/23 04:03	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**102**	mg/L	21.0	12.6	21		07/21/23 13:39	16887-00-6	
Fluoride	**0.22**	mg/L	0.10	0.050	1		07/20/23 18:59	16984-48-8	
Sulfate	**1090**	mg/L	21.0	10.5	21		07/21/23 13:39	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-MW-35 **Lab ID: 92677696010** Collected: 07/18/23 11:29 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	**CUSTOMER**				1		07/19/23 15:55		
pH	**4.93**	Std. Units			1		07/19/23 15:55		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**0.76**	mg/L	0.040	0.025	1	07/21/23 11:15	08/01/23 15:17	7439-89-6	
Manganese	**9.7**	mg/L	0.040	0.011	1	07/21/23 11:15	08/01/23 15:17	7439-96-5	
Potassium	**7.1**	mg/L	0.50	0.15	1	07/21/23 11:15	08/01/23 15:17	7440-09-7	
Sodium	**12.1**	mg/L	1.0	0.58	1	07/21/23 11:15	08/01/23 15:17	7440-23-5	
Magnesium	**74.1**	mg/L	0.050	0.012	1	07/21/23 11:15	08/01/23 15:17	7439-95-4	
Calcium	**492**	mg/L	5.0	0.61	5	07/21/23 11:15	08/02/23 12:44	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	07/21/23 13:26	07/27/23 15:36	7440-36-0	
Arsenic	**0.0056J**	mg/L	0.010	0.0037	1	07/21/23 13:26	07/27/23 15:36	7440-38-2	
Barium	**0.022**	mg/L	0.0050	0.00067	1	07/21/23 13:26	07/27/23 15:36	7440-39-3	
Beryllium	**0.00053**	mg/L	0.00050	0.000054	1	07/21/23 13:26	07/27/23 15:36	7440-41-7	
Boron	**9.5**	mg/L	0.040	0.0086	1	07/21/23 13:26	07/27/23 15:36	7440-42-8	
Cadmium	**0.0012**	mg/L	0.00050	0.00011	1	07/21/23 13:26	07/27/23 15:36	7440-43-9	
Chromium	**0.0014J**	mg/L	0.0050	0.0011	1	07/21/23 13:26	07/27/23 15:36	7440-47-3	
Cobalt	**0.087**	mg/L	0.0050	0.00039	1	07/21/23 13:26	07/27/23 15:36	7440-48-4	
Lead	**0.00090J**	mg/L	0.0010	0.00012	1	07/21/23 13:26	07/27/23 15:36	7439-92-1	
Lithium	**0.0035J**	mg/L	0.030	0.00073	1	07/21/23 13:26	07/27/23 15:36	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/21/23 13:26	07/27/23 15:36	7439-98-7	
Selenium	**0.0052**	mg/L	0.0050	0.0014	1	07/21/23 13:26	07/27/23 15:36	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	07/21/23 13:26	07/27/23 15:36	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/01/23 07:00	08/01/23 12:04	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**2340**	mg/L	25.0	25.0	1		07/21/23 12:02		1g
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/24/23 12:56		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/24/23 12:56		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		07/24/23 12:56		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-MW-35 **Lab ID: 92677696010** Collected: 07/18/23 11:29 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/20/23 04:03	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**191**	mg/L	24.0	14.4	24		07/21/23 07:01	16887-00-6	
Fluoride	**0.077J**	mg/L	0.10	0.050	1		07/20/23 19:15	16984-48-8	
Sulfate	**1200**	mg/L	24.0	12.0	24		07/21/23 07:01	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-PT-03 **Lab ID: 92677696011** Collected: 07/18/23 12:33 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	**CUSTOMER**				1		07/19/23 15:55		
pH	**4.64**	Std. Units			1		07/19/23 15:55		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**0.26**	mg/L	0.040	0.025	1	07/21/23 11:15	08/01/23 15:22	7439-89-6	
Manganese	**8.2**	mg/L	0.040	0.011	1	07/21/23 11:15	08/01/23 15:22	7439-96-5	
Potassium	**5.4**	mg/L	0.50	0.15	1	07/21/23 11:15	08/01/23 15:22	7440-09-7	
Sodium	**11.7**	mg/L	1.0	0.58	1	07/21/23 11:15	08/01/23 15:22	7440-23-5	
Magnesium	**36.9**	mg/L	0.050	0.012	1	07/21/23 11:15	08/01/23 15:22	7439-95-4	
Calcium	**382**	mg/L	5.0	0.61	5	07/21/23 11:15	08/03/23 17:02	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	**0.0029J**	mg/L	0.0030	0.0012	1	07/21/23 13:26	07/27/23 16:00	7440-36-0	
Arsenic	**0.0076J**	mg/L	0.010	0.0037	1	07/21/23 13:26	07/27/23 16:00	7440-38-2	
Barium	**0.025**	mg/L	0.0050	0.00067	1	07/21/23 13:26	07/27/23 16:00	7440-39-3	
Beryllium	**0.0026**	mg/L	0.00050	0.000054	1	07/21/23 13:26	07/27/23 16:00	7440-41-7	
Boron	**8.2**	mg/L	0.040	0.0086	1	07/21/23 13:26	07/27/23 16:00	7440-42-8	
Cadmium	**0.00062**	mg/L	0.00050	0.00011	1	07/21/23 13:26	07/27/23 16:00	7440-43-9	
Chromium	**0.0011J**	mg/L	0.0050	0.0011	1	07/21/23 13:26	07/27/23 16:00	7440-47-3	
Cobalt	**0.12**	mg/L	0.0050	0.00039	1	07/21/23 13:26	07/27/23 16:00	7440-48-4	
Lead	**0.0014**	mg/L	0.0010	0.00012	1	07/21/23 13:26	07/27/23 16:00	7439-92-1	
Lithium	**0.0031J**	mg/L	0.030	0.00073	1	07/21/23 13:26	07/27/23 16:00	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/21/23 13:26	07/27/23 16:00	7439-98-7	
Selenium	**0.011**	mg/L	0.0050	0.0014	1	07/21/23 13:26	07/27/23 16:00	7782-49-2	
Thallium	**0.00021J**	mg/L	0.0010	0.00018	1	07/21/23 13:26	07/27/23 16:00	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/01/23 07:00	08/01/23 12:06	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**2690**	mg/L	25.0	25.0	1		07/21/23 12:02		1g
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/24/23 13:01		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/24/23 13:01		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		07/24/23 13:01		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-PT-03 **Lab ID: 92677696011** Collected: 07/18/23 12:33 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/20/23 04:04	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**138**	mg/L	19.0	11.4	19		07/21/23 07:47	16887-00-6	
Fluoride	**0.84**	mg/L	0.10	0.050	1		07/21/23 01:51	16984-48-8	
Sulfate	**948**	mg/L	19.0	9.5	19		07/21/23 07:47	14808-79-8	M1

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-PT-01 **Lab ID: 92677696012** Collected: 07/18/23 13:24 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	**CUSTOMER**				1		07/19/23 15:56		
pH	**4.63**	Std. Units			1		07/19/23 15:56		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**0.078**	mg/L	0.040	0.025	1	07/21/23 11:15	08/01/23 15:27	7439-89-6	
Manganese	**9.6**	mg/L	0.040	0.011	1	07/21/23 11:15	08/01/23 15:27	7439-96-5	
Potassium	**5.2**	mg/L	0.50	0.15	1	07/21/23 11:15	08/01/23 15:27	7440-09-7	
Sodium	**8.8**	mg/L	1.0	0.58	1	07/21/23 11:15	08/01/23 15:27	7440-23-5	
Magnesium	**38.2**	mg/L	0.050	0.012	1	07/21/23 11:15	08/01/23 15:27	7439-95-4	
Calcium	**370**	mg/L	5.0	0.61	5	07/21/23 11:15	08/02/23 12:54	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	07/21/23 13:26	07/27/23 16:06	7440-36-0	
Arsenic	**0.0075J**	mg/L	0.010	0.0037	1	07/21/23 13:26	07/27/23 16:06	7440-38-2	
Barium	**0.046**	mg/L	0.0050	0.00067	1	07/21/23 13:26	07/27/23 16:06	7440-39-3	
Beryllium	**0.0024**	mg/L	0.00050	0.000054	1	07/21/23 13:26	07/27/23 16:06	7440-41-7	
Boron	**8.1**	mg/L	0.040	0.0086	1	07/21/23 13:26	07/27/23 16:06	7440-42-8	
Cadmium	**0.00099**	mg/L	0.00050	0.00011	1	07/21/23 13:26	07/27/23 16:06	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/21/23 13:26	07/27/23 16:06	7440-47-3	
Cobalt	**0.11**	mg/L	0.0050	0.00039	1	07/21/23 13:26	07/27/23 16:06	7440-48-4	
Lead	**0.00072J**	mg/L	0.0010	0.00012	1	07/21/23 13:26	07/27/23 16:06	7439-92-1	
Lithium	**0.0052J**	mg/L	0.030	0.00073	1	07/21/23 13:26	07/27/23 16:06	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/21/23 13:26	07/27/23 16:06	7439-98-7	
Selenium	**0.011**	mg/L	0.0050	0.0014	1	07/21/23 13:26	07/27/23 16:06	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	07/21/23 13:26	07/27/23 16:06	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	**0.00023**	mg/L	0.00020	0.00013	1	08/01/23 07:00	08/01/23 12:09	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1700**	mg/L	25.0	25.0	1		07/21/23 12:02		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/24/23 13:06		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/24/23 13:06		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		07/24/23 13:06		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-PT-01 **Lab ID: 92677696012** Collected: 07/18/23 13:24 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/20/23 04:04	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**147**	mg/L	11.0	6.6	11		07/21/23 08:32	16887-00-6	
Fluoride	**0.70**	mg/L	0.10	0.050	1		07/21/23 02:38	16984-48-8	
Sulfate	**892**	mg/L	11.0	5.5	11		07/21/23 08:32	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-PT-02 **Lab ID: 92677696013** Collected: 07/18/23 16:20 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	**CUSTOMER**				1		07/19/23 15:56		
pH	**4.97**	Std. Units			1		07/19/23 15:56		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**0.44**	mg/L	0.040	0.025	1	07/21/23 11:15	08/01/23 15:47	7439-89-6	
Manganese	**12.6**	mg/L	0.040	0.011	1	07/21/23 11:15	08/01/23 15:47	7439-96-5	
Potassium	**5.2**	mg/L	0.50	0.15	1	07/21/23 11:15	08/01/23 15:47	7440-09-7	
Sodium	**9.3**	mg/L	1.0	0.58	1	07/21/23 11:15	08/01/23 15:47	7440-23-5	
Magnesium	**44.0**	mg/L	0.050	0.012	1	07/21/23 11:15	08/01/23 15:47	7439-95-4	
Calcium	**379**	mg/L	5.0	0.61	5	07/21/23 11:15	08/02/23 12:59	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	**0.0013J**	mg/L	0.0030	0.0012	1	07/21/23 13:26	07/27/23 16:58	7440-36-0	
Arsenic	**0.0063J**	mg/L	0.010	0.0037	1	07/21/23 13:26	07/27/23 16:58	7440-38-2	
Barium	**0.054**	mg/L	0.0050	0.00067	1	07/21/23 13:26	07/27/23 16:58	7440-39-3	
Beryllium	**0.0016**	mg/L	0.00050	0.000054	1	07/21/23 13:26	07/27/23 16:58	7440-41-7	
Boron	**8.3**	mg/L	0.040	0.0086	1	07/21/23 13:26	07/27/23 16:58	7440-42-8	
Cadmium	**0.00091**	mg/L	0.00050	0.00011	1	07/21/23 13:26	07/27/23 16:58	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/21/23 13:26	07/27/23 16:58	7440-47-3	
Cobalt	**0.13**	mg/L	0.0050	0.00039	1	07/21/23 13:26	07/27/23 16:58	7440-48-4	
Lead	**0.00043J**	mg/L	0.0010	0.00012	1	07/21/23 13:26	07/27/23 16:58	7439-92-1	
Lithium	**0.0069J**	mg/L	0.030	0.00073	1	07/21/23 13:26	07/27/23 16:58	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/21/23 13:26	07/27/23 16:58	7439-98-7	
Selenium	**0.0075**	mg/L	0.0050	0.0014	1	07/21/23 13:26	07/27/23 16:58	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	07/21/23 13:26	07/27/23 16:58	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/01/23 07:00	08/01/23 12:12	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1830**	mg/L	25.0	25.0	1		07/21/23 12:03		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**5.5**	mg/L	5.0	5.0	1		07/24/23 13:11		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/24/23 13:11		
Alkalinity, Total as CaCO3	**5.5**	mg/L	5.0	5.0	1		07/24/23 13:11		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-PT-02 **Lab ID: 92677696013** Collected: 07/18/23 16:20 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/20/23 04:06	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**174**	mg/L	11.0	6.6	11		07/21/23 08:47	16887-00-6	
Fluoride	**0.47**	mg/L	0.10	0.050	1		07/21/23 02:54	16984-48-8	
Sulfate	**938**	mg/L	11.0	5.5	11		07/21/23 08:47	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-INW-01 **Lab ID: 92677696014** Collected: 07/19/23 09:31 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	**CUSTOMER**				1		07/19/23 15:56		
pH	**5.18**	Std. Units			1		07/19/23 15:56		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**2.9**	mg/L	0.040	0.025	1	07/21/23 11:15	08/01/23 15:53	7439-89-6	
Manganese	**14.4**	mg/L	0.040	0.011	1	07/21/23 11:15	08/01/23 15:53	7439-96-5	
Potassium	**5.4**	mg/L	0.50	0.15	1	07/21/23 11:15	08/01/23 15:53	7440-09-7	
Sodium	**10**	mg/L	1.0	0.58	1	07/21/23 11:15	08/01/23 15:53	7440-23-5	
Magnesium	**52.3**	mg/L	0.050	0.012	1	07/21/23 11:15	08/01/23 15:53	7439-95-4	
Calcium	**397**	mg/L	5.0	0.61	5	07/21/23 11:15	08/02/23 13:04	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	07/21/23 13:26	07/27/23 17:04	7440-36-0	
Arsenic	**0.0061J**	mg/L	0.010	0.0037	1	07/21/23 13:26	07/27/23 17:04	7440-38-2	
Barium	**0.069**	mg/L	0.0050	0.00067	1	07/21/23 13:26	07/27/23 17:04	7440-39-3	
Beryllium	**0.0010**	mg/L	0.00050	0.000054	1	07/21/23 13:26	07/27/23 17:04	7440-41-7	
Boron	**8.7**	mg/L	0.040	0.0086	1	07/21/23 13:26	07/27/23 17:04	7440-42-8	
Cadmium	**0.00059**	mg/L	0.00050	0.00011	1	07/21/23 13:26	07/27/23 17:04	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/21/23 13:26	07/27/23 17:04	7440-47-3	
Cobalt	**0.13**	mg/L	0.0050	0.00039	1	07/21/23 13:26	07/27/23 17:04	7440-48-4	
Lead	**0.00037J**	mg/L	0.0010	0.00012	1	07/21/23 13:26	07/27/23 17:04	7439-92-1	
Lithium	**0.0064J**	mg/L	0.030	0.00073	1	07/21/23 13:26	07/27/23 17:04	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/21/23 13:26	07/27/23 17:04	7439-98-7	
Selenium	**0.0075**	mg/L	0.0050	0.0014	1	07/21/23 13:26	07/27/23 17:04	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	07/21/23 13:26	07/27/23 17:04	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/01/23 07:00	08/01/23 12:14	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**2000**	mg/L	25.0	25.0	1		07/21/23 12:03		1g
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**14.9**	mg/L	5.0	5.0	1		07/24/23 13:16		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		07/24/23 13:16		
Alkalinity, Total as CaCO3	**14.9**	mg/L	5.0	5.0	1		07/24/23 13:16		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-INW-01 **Lab ID: 92677696014** Collected: 07/19/23 09:31 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		07/20/23 04:06	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**210**	mg/L	19.0	11.4	19		07/21/23 09:18	16887-00-6	
Fluoride	**0.34**	mg/L	0.10	0.050	1		07/21/23 03:56	16984-48-8	
Sulfate	**975**	mg/L	19.0	9.5	19		07/21/23 09:18	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92677696

Sample: HAM-MW-57 **Lab ID: 92677696015** Collected: 07/19/23 10:40 Received: 07/19/23 13:53 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	**CUSTOMER**				1		07/19/23 15:57		
pH	**6.45**	Std. Units			1		07/19/23 15:57		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Boron	**8.5**	mg/L	0.040	0.027	1	07/21/23 11:15	08/01/23 15:58	7440-42-8	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Cobalt	**0.049**	mg/L	0.0050	0.00039	1	07/21/23 13:26	07/27/23 17:10	7440-48-4	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 787863
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006, 92677696007

METHOD BLANK: 4084625 Matrix: Water
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006, 92677696007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	07/20/23 15:30	
Iron	mg/L	ND	0.040	0.025	07/25/23 15:43	
Magnesium	mg/L	ND	0.050	0.012	07/20/23 15:30	
Manganese	mg/L	ND	0.040	0.011	07/20/23 15:30	
Potassium	mg/L	ND	0.50	0.15	07/20/23 15:30	
Sodium	mg/L	ND	1.0	0.58	07/20/23 15:30	

LABORATORY CONTROL SAMPLE: 4084626

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.92J	92	80-120	
Iron	mg/L	1	0.99	99	80-120	
Magnesium	mg/L	1	0.93	93	80-120	
Manganese	mg/L	1	0.94	94	80-120	
Potassium	mg/L	1	0.88	88	80-120	
Sodium	mg/L	1	0.84J	84	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4085060 4085061

Parameter	Units	92677694001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	107	1	1	109	104	196	-279	75-125	4	20	M1
Iron	mg/L	0.27	1	1	1.3	1.3	99	105	75-125	5	20	
Magnesium	mg/L	14.9	1	1	16.2	15.6	128	74	75-125	3	20	M1
Manganese	mg/L	0.28	1	1	1.2	1.3	96	100	75-125	3	20	
Potassium	mg/L	6.9	1	1	8.1	7.8	118	90	75-125	3	20	
Sodium	mg/L	8.8	1	1	9.9	9.5	111	73	75-125	4	20	M1

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 788329
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92677696008, 92677696009, 92677696010, 92677696011, 92677696012, 92677696013, 92677696014, 92677696015

METHOD BLANK: 4086684 Matrix: Water
Associated Lab Samples: 92677696008, 92677696009, 92677696010, 92677696011, 92677696012, 92677696013, 92677696014, 92677696015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	mg/L	ND	0.040	0.027	08/01/23 14:43	
Calcium	mg/L	ND	1.0	0.12	08/01/23 14:43	
Iron	mg/L	ND	0.040	0.025	08/02/23 16:01	
Magnesium	mg/L	ND	0.050	0.012	08/01/23 14:43	
Manganese	mg/L	ND	0.040	0.011	08/01/23 14:43	
Potassium	mg/L	ND	0.50	0.15	08/01/23 14:43	
Sodium	mg/L	ND	1.0	0.58	08/01/23 14:43	

LABORATORY CONTROL SAMPLE: 4086685

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	1	0.99	99	80-120	
Calcium	mg/L	1	1.0	102	80-120	
Iron	mg/L	1	1.0	102	80-120	
Magnesium	mg/L	1	1.0	103	80-120	
Manganese	mg/L	1	1.0	104	80-120	
Potassium	mg/L	1	1.0	101	80-120	
Sodium	mg/L	1	0.98J	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4086751 4086752

Parameter	Units	92677696008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	9.7	1	1	10.6	11.0	95	136	75-125	4	20	M1
Calcium	mg/L		1	1	512	524	-572	606	75-125	2	20	M1
Iron	mg/L		1	1	3.0	3.1	96	100	75-125	1	20	
Magnesium	mg/L		1	1	46.7	48.0	11	135	75-125	3	20	M1
Manganese	mg/L		1	1	11.2	11.6	84	122	75-125	3	20	
Potassium	mg/L		1	1	7.7	8.0	76	101	75-125	3	20	
Sodium	mg/L		1	1	16.7	17.0	84	120	75-125	2	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 787489
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006, 92677696007

METHOD BLANK: 4082463 Matrix: Water
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006, 92677696007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.0012	07/19/23 17:43	
Arsenic	mg/L	ND	0.010	0.0037	07/19/23 17:43	
Barium	mg/L	ND	0.0050	0.00067	07/19/23 17:43	
Beryllium	mg/L	ND	0.00050	0.000054	07/19/23 17:43	
Boron	mg/L	ND	0.040	0.0086	07/21/23 16:25	
Cadmium	mg/L	ND	0.00050	0.00011	07/19/23 17:43	
Chromium	mg/L	ND	0.0050	0.0011	07/19/23 17:43	
Cobalt	mg/L	ND	0.0050	0.00039	07/19/23 17:43	
Lead	mg/L	ND	0.0010	0.00012	07/19/23 17:43	
Lithium	mg/L	ND	0.030	0.00073	07/19/23 17:43	
Molybdenum	mg/L	ND	0.010	0.00074	07/19/23 17:43	
Selenium	mg/L	ND	0.0050	0.0014	07/19/23 17:43	
Thallium	mg/L	ND	0.0010	0.00018	07/19/23 17:43	

LABORATORY CONTROL SAMPLE: 4082464

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	107	80-120	
Arsenic	mg/L	0.1	0.099	99	80-120	
Barium	mg/L	0.1	0.096	96	80-120	
Beryllium	mg/L	0.1	0.10	102	80-120	
Boron	mg/L	1	1.1	110	80-120	
Cadmium	mg/L	0.1	0.10	103	80-120	
Chromium	mg/L	0.1	0.10	102	80-120	
Cobalt	mg/L	0.1	0.10	101	80-120	
Lead	mg/L	0.1	0.10	102	80-120	
Lithium	mg/L	0.1	0.10	103	80-120	
Molybdenum	mg/L	0.1	0.10	102	80-120	
Selenium	mg/L	0.1	0.10	101	80-120	
Thallium	mg/L	0.1	0.097	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4082465 4082466

Parameter	Units	92677694001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	109	110	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.11	104	106	75-125	2	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4082465 4082466

Parameter	Units	92677694001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	mg/L	0.047	0.1	0.1	0.16	0.16	114	113	75-125	1	20	
Beryllium	mg/L	0.000073J	0.1	0.1	0.095	0.096	95	96	75-125	1	20	
Boron	mg/L	2.0	1	1	3.1	2.9	108	94	75-125	5	20	
Cadmium	mg/L	0.00031J	0.1	0.1	0.10	0.10	102	104	75-125	1	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.099	101	99	75-125	2	20	
Cobalt	mg/L	0.0015J	0.1	0.1	0.10	0.099	99	97	75-125	1	20	
Lead	mg/L	0.00013J	0.1	0.1	0.10	0.10	100	100	75-125	1	20	
Lithium	mg/L	0.0015J	0.1	0.1	0.099	0.099	97	98	75-125	0	20	
Molybdenum	mg/L	0.30	0.1	0.1	0.42	0.42	121	123	75-125	1	20	
Selenium	mg/L	ND	0.1	0.1	0.11	0.11	106	106	75-125	0	20	
Thallium	mg/L	0.00026J	0.1	0.1	0.097	0.096	97	96	75-125	1	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 788417
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92677696008, 92677696009, 92677696010, 92677696011, 92677696012, 92677696013, 92677696014, 92677696015

METHOD BLANK: 4086984 Matrix: Water
Associated Lab Samples: 92677696008, 92677696009, 92677696010, 92677696011, 92677696012, 92677696013, 92677696014, 92677696015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.0012	07/27/23 15:12	
Arsenic	mg/L	ND	0.010	0.0037	07/27/23 15:12	
Barium	mg/L	ND	0.0050	0.00067	07/27/23 15:12	
Beryllium	mg/L	ND	0.00050	0.000054	07/27/23 15:12	
Boron	mg/L	ND	0.040	0.0086	07/27/23 15:12	
Cadmium	mg/L	ND	0.00050	0.00011	07/27/23 15:12	
Chromium	mg/L	ND	0.0050	0.0011	07/27/23 15:12	
Cobalt	mg/L	ND	0.0050	0.00039	07/27/23 15:12	
Lead	mg/L	ND	0.0010	0.00012	07/27/23 15:12	
Lithium	mg/L	ND	0.030	0.00073	07/27/23 15:12	
Molybdenum	mg/L	ND	0.010	0.00074	07/27/23 15:12	
Selenium	mg/L	ND	0.0050	0.0014	07/27/23 15:12	
Thallium	mg/L	ND	0.0010	0.00018	07/27/23 15:12	

LABORATORY CONTROL SAMPLE: 4086985

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	114	80-120	
Arsenic	mg/L	0.1	0.10	104	80-120	
Barium	mg/L	0.1	0.099	99	80-120	
Beryllium	mg/L	0.1	0.11	109	80-120	
Boron	mg/L	1	1.1	108	80-120	
Cadmium	mg/L	0.1	0.10	105	80-120	
Chromium	mg/L	0.1	0.11	105	80-120	
Cobalt	mg/L	0.1	0.11	105	80-120	
Lead	mg/L	0.1	0.10	102	80-120	
Lithium	mg/L	0.1	0.11	111	80-120	
Molybdenum	mg/L	0.1	0.10	105	80-120	
Selenium	mg/L	0.1	0.10	101	80-120	
Thallium	mg/L	0.1	0.099	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4087071 4087072

Parameter	Units	92677696010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.12	0.11	117	112	75-125	4	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4087071 4087072

Parameter	Units	92677696010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	0.0056J	0.1	0.1	0.12	0.11	110	107	75-125	3	20	
Barium	mg/L	0.022	0.1	0.1	0.13	0.12	104	100	75-125	3	20	
Beryllium	mg/L	0.00053	0.1	0.1	0.093	0.092	92	91	75-125	1	20	
Boron	mg/L	9.5	1	1	10.4	10.2	87	71	75-125	2	20	
Cadmium	mg/L	0.0012	0.1	0.1	0.10	0.10	101	99	75-125	2	20	
Chromium	mg/L	0.0014J	0.1	0.1	0.10	0.10	103	100	75-125	3	20	
Cobalt	mg/L	0.087	0.1	0.1	0.19	0.18	100	98	75-125	1	20	
Lead	mg/L	0.00090J	0.1	0.1	0.094	0.091	93	91	75-125	3	20	
Lithium	mg/L	0.0035J	0.1	0.1	0.10	0.10	97	96	75-125	0	20	
Molybdenum	mg/L	ND	0.1	0.1	0.11	0.10	107	104	75-125	2	20	
Selenium	mg/L	0.0052	0.1	0.1	0.12	0.12	116	113	75-125	2	20	
Thallium	mg/L	ND	0.1	0.1	0.092	0.090	92	90	75-125	2	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 790376 — Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A — Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006, 92677696007, 92677696009, 92677696010, 92677696011, 92677696012, 92677696013, 92677696014

METHOD BLANK: 4096218 — Matrix: Water
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006, 92677696007, 92677696009, 92677696010, 92677696011, 92677696012, 92677696013, 92677696014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	08/01/23 11:24	

LABORATORY CONTROL SAMPLE: 4096219

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0023	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4096220 4096221

Parameter	Units	92677696001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	0.00020J	0.0025	0.0025	0.0023	0.0023	84	83	75-125	1	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 787441 | Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006, 92677696007

METHOD BLANK: 4082157 Matrix: Water
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006, 92677696007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	07/18/23 15:23	

LABORATORY CONTROL SAMPLE: 4082158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	409	102	80-120	

SAMPLE DUPLICATE: 4082159

Parameter	Units	92677694001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	513	511	0	10	

SAMPLE DUPLICATE: 4082160

Parameter	Units	92677696005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1460	1570	8	10	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 788206 | Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92677696009, 92677696010, 92677696011, 92677696012, 92677696013, 92677696014

METHOD BLANK: 4086319 Matrix: Water
Associated Lab Samples: 92677696009, 92677696010, 92677696011, 92677696012, 92677696013, 92677696014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	07/21/23 11:58	

LABORATORY CONTROL SAMPLE: 4086320

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	412	103	80-120	

SAMPLE DUPLICATE: 4086321

Parameter	Units	92678098001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	139	106	27	10	D6

SAMPLE DUPLICATE: 4086322

Parameter	Units	92678314001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2420	8220	109	10	D6

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 788121 | Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006, 92677696007

METHOD BLANK: 4085797 Matrix: Water
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006, 92677696007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	07/20/23 16:09	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	07/20/23 16:09	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	07/20/23 16:09	

LABORATORY CONTROL SAMPLE: 4085798

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.4	103	80-120	

LABORATORY CONTROL SAMPLE: 4085799

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.7	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4085800 4085801

Parameter	Units	92677753005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	121	50	50	180	180	118	118	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4085802 4085803

Parameter	Units	92677753006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	76.8	50	50	129	131	103	108	80-120	2	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 788708 | Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92677696009, 92677696010, 92677696011, 92677696012, 92677696013, 92677696014

METHOD BLANK: 4087983 Matrix: Water
Associated Lab Samples: 92677696009, 92677696010, 92677696011, 92677696012, 92677696013, 92677696014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	07/24/23 11:40	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	07/24/23 11:40	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	07/24/23 11:40	

LABORATORY CONTROL SAMPLE: 4087984

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

LABORATORY CONTROL SAMPLE: 4087985

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4087986 4087987

Parameter	Units	92678264010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	7.2	50	50	57.9	57.8	101	101	80-120	0	25	H1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4087988 4087989

Parameter	Units	92678043001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	32.2	50	50	82.7	84.0	101	104	80-120	2	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 787902 | Analysis Method: SM 4500-S2D-2011
QC Batch Method: SM 4500-S2D-2011 | Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006

METHOD BLANK: 4084741 Matrix: Water
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	07/20/23 03:38	

LABORATORY CONTROL SAMPLE: 4084742

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.49	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4084743 4084744

Parameter	Units	92677694001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.47	0.47	93	93	80-120	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4084745 4084746

Parameter	Units	92677696005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.48	0.46	94	90	80-120	5	10	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 787903 | Analysis Method: SM 4500-S2D-2011
QC Batch Method: SM 4500-S2D-2011 | Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92677696007, 92677696009, 92677696010, 92677696011, 92677696012, 92677696013, 92677696014

METHOD BLANK: 4084747 Matrix: Water
Associated Lab Samples: 92677696007, 92677696009, 92677696010, 92677696011, 92677696012, 92677696013, 92677696014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	07/20/23 03:57	

LABORATORY CONTROL SAMPLE: 4084748

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.49	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4084749 4084750

Parameter	Units	92678161006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.53	0.54	105	108	80-120	3	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4084751 4084752

Parameter	Units	92677696012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.43	0.47	84	93	80-120	10	10	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 787377
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006, 92677696007

METHOD BLANK: 4081859 Matrix: Water
Associated Lab Samples: 92677696001, 92677696002, 92677696003, 92677696004, 92677696005, 92677696006, 92677696007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	07/19/23 05:21	
Fluoride	mg/L	ND	0.10	0.050	07/19/23 05:21	
Sulfate	mg/L	ND	1.0	0.50	07/19/23 05:21	

LABORATORY CONTROL SAMPLE: 4081860

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.4	101	90-110	
Fluoride	mg/L	2.5	2.4	98	90-110	
Sulfate	mg/L	50	49.8	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4081861 4081862

Parameter	Units	92677694008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	17.8	50	50	69.7	70.1	104	105	90-110	1	10	
Fluoride	mg/L	0.32	2.5	2.5	2.8	2.8	98	99	90-110	1	10	
Sulfate	mg/L	393	50	50	422	418	58	49	90-110	1	10	M1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 787928
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92677696009, 92677696010

METHOD BLANK: 4084797 Matrix: Water
Associated Lab Samples: 92677696009, 92677696010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	07/20/23 11:29	
Fluoride	mg/L	ND	0.10	0.050	07/20/23 11:29	
Sulfate	mg/L	ND	1.0	0.50	07/20/23 11:29	

LABORATORY CONTROL SAMPLE: 4084798

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	52.7	105	90-110	
Fluoride	mg/L	2.5	2.7	108	90-110	
Sulfate	mg/L	50	53.2	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4084799 4084800

Parameter	Units	92678109003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	12.9	50	50	66.6	67.3	107	109	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.7	2.8	107	109	90-110	1	10	
Sulfate	mg/L	84.7	50	50	128	129	87	89	90-110	1	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4084801 4084802

Parameter	Units	92677725002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	22.3	50	50	76.5	77.2	108	110	90-110	1	10	
Fluoride	mg/L	0.31	2.5	2.5	3.6	3.7	131	134	90-110	2	10	M1
Sulfate	mg/L	ND	50	50	54.9	55.6	109	111	90-110	1	10	M1

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92677696

QC Batch: 787930
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92677696011, 92677696012, 92677696013, 92677696014

METHOD BLANK: 4084807 Matrix: Water
Associated Lab Samples: 92677696011, 92677696012, 92677696013, 92677696014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	07/21/23 12:06	
Fluoride	mg/L	ND	0.10	0.050	07/21/23 12:06	
Sulfate	mg/L	ND	1.0	0.50	07/21/23 12:06	

LABORATORY CONTROL SAMPLE: 4084808

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.2	102	90-110	
Fluoride	mg/L	2.5	2.5	101	90-110	
Sulfate	mg/L	50	51.4	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4084809 4084810

Parameter	Units	92677696011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	138	50	50	185	187	94	97	90-110	1	10	
Fluoride	mg/L	0.84	2.5	2.5	3.5	3.6	105	109	90-110	3	10	
Sulfate	mg/L	948	50	50	991	1000	86	109	90-110	1	10	M1

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QUALIFIERS

Project: Hammond AP-2
Pace Project No.: 92677696

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1g	“Sample residue exceeded method SM 2540C recommended 200 mg.”
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
H1	Analysis conducted outside the EPA method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hammond AP-2
Pace Project No.: 92677696

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92677696001	**HAM-HGWC-18**				
92677696002	**HAM-PT-06**				
92677696003	**HAM-PT-05**				
92677696004	**HAM-PT-04**				
92677696005	**HAM-INW-02**				
92677696008	**HAM-MW-59**				
92677696009	**HAM-MW-33**				
92677696010	**HAM-MW-35**				
92677696011	**HAM-PT-03**				
92677696012	**HAM-PT-01**				
92677696013	**HAM-PT-02**				
92677696014	**HAM-INW-01**				
92677696015	**HAM-MW-57**				
92677696001	**HAM-HGWC-18**	EPA 3010A	787863	EPA 6010D	788067
92677696002	**HAM-PT-06**	EPA 3010A	787863	EPA 6010D	788067
92677696003	**HAM-PT-05**	EPA 3010A	787863	EPA 6010D	788067
92677696004	**HAM-PT-04**	EPA 3010A	787863	EPA 6010D	788067
92677696005	**HAM-INW-02**	EPA 3010A	787863	EPA 6010D	788067
92677696006	**HAM-AP2-FD-01**	EPA 3010A	787863	EPA 6010D	788067
92677696007	**HAM-AP2-FB-01**	EPA 3010A	787863	EPA 6010D	788067
92677696008	**HAM-MW-59**	EPA 3010A	788329	EPA 6010D	788467
92677696009	**HAM-MW-33**	EPA 3010A	788329	EPA 6010D	788467
92677696010	**HAM-MW-35**	EPA 3010A	788329	EPA 6010D	788467
92677696011	**HAM-PT-03**	EPA 3010A	788329	EPA 6010D	788467
92677696012	**HAM-PT-01**	EPA 3010A	788329	EPA 6010D	788467
92677696013	**HAM-PT-02**	EPA 3010A	788329	EPA 6010D	788467
92677696014	**HAM-INW-01**	EPA 3010A	788329	EPA 6010D	788467
92677696015	**HAM-MW-57**	EPA 3010A	788329	EPA 6010D	788467
92677696001	**HAM-HGWC-18**	EPA 3005A	787489	EPA 6020B	787561
92677696002	**HAM-PT-06**	EPA 3005A	787489	EPA 6020B	787561
92677696003	**HAM-PT-05**	EPA 3005A	787489	EPA 6020B	787561
92677696004	**HAM-PT-04**	EPA 3005A	787489	EPA 6020B	787561
92677696005	**HAM-INW-02**	EPA 3005A	787489	EPA 6020B	787561
92677696006	**HAM-AP2-FD-01**	EPA 3005A	787489	EPA 6020B	787561
92677696007	**HAM-AP2-FB-01**	EPA 3005A	787489	EPA 6020B	787561
92677696008	**HAM-MW-59**	EPA 3005A	788417	EPA 6020B	788528
92677696009	**HAM-MW-33**	EPA 3005A	788417	EPA 6020B	788528
92677696010	**HAM-MW-35**	EPA 3005A	788417	EPA 6020B	788528
92677696011	**HAM-PT-03**	EPA 3005A	788417	EPA 6020B	788528
92677696012	**HAM-PT-01**	EPA 3005A	788417	EPA 6020B	788528
92677696013	**HAM-PT-02**	EPA 3005A	788417	EPA 6020B	788528
92677696014	**HAM-INW-01**	EPA 3005A	788417	EPA 6020B	788528
92677696015	**HAM-MW-57**	EPA 3005A	788417	EPA 6020B	788528
92677696001	**HAM-HGWC-18**	EPA 7470A	790376	EPA 7470A	790494
92677696002	**HAM-PT-06**	EPA 7470A	790376	EPA 7470A	790494
92677696003	**HAM-PT-05**	EPA 7470A	790376	EPA 7470A	790494

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hammond AP-2
Pace Project No.: 92677696

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92677696004	**HAM-PT-04**	EPA 7470A	790376	EPA 7470A	790494
92677696005	**HAM-INW-02**	EPA 7470A	790376	EPA 7470A	790494
92677696006	**HAM-AP2-FD-01**	EPA 7470A	790376	EPA 7470A	790494
92677696007	**HAM-AP2-FB-01**	EPA 7470A	790376	EPA 7470A	790494
92677696009	**HAM-MW-33**	EPA 7470A	790376	EPA 7470A	790494
92677696010	**HAM-MW-35**	EPA 7470A	790376	EPA 7470A	790494
92677696011	**HAM-PT-03**	EPA 7470A	790376	EPA 7470A	790494
92677696012	**HAM-PT-01**	EPA 7470A	790376	EPA 7470A	790494
92677696013	**HAM-PT-02**	EPA 7470A	790376	EPA 7470A	790494
92677696014	**HAM-INW-01**	EPA 7470A	790376	EPA 7470A	790494
92677696001	**HAM-HGWC-18**	SM 2540C-2015	787441		
92677696002	**HAM-PT-06**	SM 2540C-2015	787441		
92677696003	**HAM-PT-05**	SM 2540C-2015	787441		
92677696004	**HAM-PT-04**	SM 2540C-2015	787441		
92677696005	**HAM-INW-02**	SM 2540C-2015	787441		
92677696006	**HAM-AP2-FD-01**	SM 2540C-2015	787441		
92677696007	**HAM-AP2-FB-01**	SM 2540C-2015	787441		
92677696009	**HAM-MW-33**	SM 2540C-2015	788206		
92677696010	**HAM-MW-35**	SM 2540C-2015	788206		
92677696011	**HAM-PT-03**	SM 2540C-2015	788206		
92677696012	**HAM-PT-01**	SM 2540C-2015	788206		
92677696013	**HAM-PT-02**	SM 2540C-2015	788206		
92677696014	**HAM-INW-01**	SM 2540C-2015	788206		
92677696001	**HAM-HGWC-18**	SM 2320B-2011	788121		
92677696002	**HAM-PT-06**	SM 2320B-2011	788121		
92677696003	**HAM-PT-05**	SM 2320B-2011	788121		
92677696004	**HAM-PT-04**	SM 2320B-2011	788121		
92677696005	**HAM-INW-02**	SM 2320B-2011	788121		
92677696006	**HAM-AP2-FD-01**	SM 2320B-2011	788121		
92677696007	**HAM-AP2-FB-01**	SM 2320B-2011	788121		
92677696009	**HAM-MW-33**	SM 2320B-2011	788708		
92677696010	**HAM-MW-35**	SM 2320B-2011	788708		
92677696011	**HAM-PT-03**	SM 2320B-2011	788708		
92677696012	**HAM-PT-01**	SM 2320B-2011	788708		
92677696013	**HAM-PT-02**	SM 2320B-2011	788708		
92677696014	**HAM-INW-01**	SM 2320B-2011	788708		
92677696001	**HAM-HGWC-18**	SM 4500-S2D-2011	787902		
92677696002	**HAM-PT-06**	SM 4500-S2D-2011	787902		
92677696003	**HAM-PT-05**	SM 4500-S2D-2011	787902		
92677696004	**HAM-PT-04**	SM 4500-S2D-2011	787902		
92677696005	**HAM-INW-02**	SM 4500-S2D-2011	787902		
92677696006	**HAM-AP2-FD-01**	SM 4500-S2D-2011	787902		
92677696007	**HAM-AP2-FB-01**	SM 4500-S2D-2011	787903		
92677696009	**HAM-MW-33**	SM 4500-S2D-2011	787903		
92677696010	**HAM-MW-35**	SM 4500-S2D-2011	787903		
92677696011	**HAM-PT-03**	SM 4500-S2D-2011	787903		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hammond AP-2
Pace Project No.: 92677696

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92677696012	**HAM-PT-01**	SM 4500-S2D-2011	787903		
92677696013	**HAM-PT-02**	SM 4500-S2D-2011	787903		
92677696014	**HAM-INW-01**	SM 4500-S2D-2011	787903		
92677696001	**HAM-HGWC-18**	EPA 300.0 Rev 2.1 1993	787377		
92677696002	**HAM-PT-06**	EPA 300.0 Rev 2.1 1993	787377		
92677696003	**HAM-PT-05**	EPA 300.0 Rev 2.1 1993	787377		
92677696004	**HAM-PT-04**	EPA 300.0 Rev 2.1 1993	787377		
92677696005	**HAM-INW-02**	EPA 300.0 Rev 2.1 1993	787377		
92677696006	**HAM-AP2-FD-01**	EPA 300.0 Rev 2.1 1993	787377		
92677696007	**HAM-AP2-FB-01**	EPA 300.0 Rev 2.1 1993	787377		
92677696009	**HAM-MW-33**	EPA 300.0 Rev 2.1 1993	787928		
92677696010	**HAM-MW-35**	EPA 300.0 Rev 2.1 1993	787928		
92677696011	**HAM-PT-03**	EPA 300.0 Rev 2.1 1993	787930		
92677696012	**HAM-PT-01**	EPA 300.0 Rev 2.1 1993	787930		
92677696013	**HAM-PT-02**	EPA 300.0 Rev 2.1 1993	787930		
92677696014	**HAM-INW-01**	EPA 300.0 Rev 2.1 1993	787930		

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Pace ANALYTICAL SERVICES

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

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #: **WO# : 92677696**

92677696

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other:____

Custody Seal Present? ☑ Yes ☐ No **Seals Intact?** ☑ Yes ☐ No

Date/Initials Person Examining Contents: 7-19-23 AY

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☐ N/A

Thermometer: ☑ IR Gun ID: 214

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 6.5 **Correction Factor:** Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 6.5

Temp should be above freezing to 6°C

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

USDA Regulated Soil (☐ N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ **Date:** _____

Project Manager SRF Review: _____ **Date:** _____

Qualtrax ID: 69614

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

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

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

*****Check all unpreserved Nitrates for chlorine**

Project # **WO# : 92677696**

PM: BV Due Date: 07/31/23

CLIENT: 92- GP-HAM

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

pH Adjustment Log for Preserved Samples

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

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

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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.

Page: 1 of

Section A — Required Client Information:
Company: GA Power
Address: Atlanta, GA
Copy To: SCS Contacts
Email To:
Phone: Fax:
Requested Due Date/TAT: 10 Day

Section B — Required Project Information:
Report To: SCS Contacts
Copy To: Geosyntec Contacts
Task Code: HAM-CCR-CA-20230713
Purchase Order No.:
Project Name: Hammond AP-2
Project Number:

Section C — Invoice Information:
Attention: Southern Co.
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: Bonnie Vang
Pace Profile #: 10839- 16483-20

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Section D — Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

Requested Analysis Filtered (Y/N)

SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: Full App. III and IV metals	Major Ions (10839-2)	Boron and Cobalt	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
HAM-HGWC-18	WG	G	7/[illegible]/23	0957	22	5	X		X		X			HNO3	X	X		N	001 pH = 4.59
HAM-PT-06	WG	G	7/14/23	1105	23	5	X		X		X			HNO3	X	X		N	002 pH = 6.09
HAM-PT-05	WG	G	7/14/23	1300	24	5	X		X		X			HNO3	X	X		N	003 pH = 6.13
HAM-PT-04	WG	G	7/14/23	1403	22	5	X		X		X			HNO3	X	X		N	004 pH = 6.30
HAM-[illegible]W-02	WG	G	7/14/23	1457	23	5	X		X		X			HNO3	X	X		N	005 pH = 6.27
HAM-AP2-FD-02	WG	G	7/14/23	0000	-	5	X		X		X			HNO3	X	X		N	006 -
HAM-AP2-EB-02	WG	G	7/[illegible]/23	0845	-	5	X		X		X			HNO3	X	X		N	007 -
																		N	
																		N	
																		N	

92677696

Pace Project No./ Lab I.D.

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Code: HAM-CCR-CA-20230713	Mana Neely/Geosyntec	7/17/23	1230	Ryan Williams / Pace	7/17/23	1230	
	Ryan Williams / Pace	7/17/23	1425	Left on fridge	7/17	1425	

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Mana Neely / Geosyntec Consultants, Inc
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7/17/23

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

F-ALL-Q-020rev.07, 15-Feb-2007

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt
	Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #: **WO#: 92677696**

PM: BV Due Date: 07/31/23

CLIENT: 92- GP-HAM

Courier: ☐ Commercial ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Pace ☐ Other:

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No

Date/Initials Person Examining Contents: 9-19-23

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☑ No ☐ N/A

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 7.6 Correction Factor: Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 7.6

Temp should be above freezing to 6°C

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

USDA Regulated Soil (☐ N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Qualtrax ID: 69614

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

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

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

*****Check all unpreserved Nitrates for chlorine**

Project # WO#: 92677696

PM: BV Due Date: 07/31/23

CLIENT: 92- GP-HAM

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

pH Adjustment Log for Preserved Samples

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

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

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Page: 1 of 1

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Phone: Fax:
Requested Due Date/TAT: 10 Day

Section B — Required Project Information:
Report To: SCS Contacts
Copy To: Geosyntec Contacts
Task Code: HAM-CCR-CA-20230713
Purchase Order No.:
Project Name: Plant Hammond AP-2
Project Number:

Section C — Invoice Information:
Attention: Southern Co.
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: Bonnie Vang
Pace Profile #: ~~10839~~ 16483-20

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER CCR
Site Location STATE: GA

Section D — Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Full App. III and IV metals	Major Ions (10839-E)	Boron and Cobalt	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																	Y/N	N	N				
HAM-MW-59	WG	G	7/11/23	1124			13	1			X									X	N	008	pH = 4.59
HAM-MW-33	WG	G	7/11/23	0947			19	5	X		X		X			ZnAc		X	X		N	009	pH = 4.48
HAM-MW-35	WG	G	7/11/23	1129			22	5	X		X		X			ZnAc		X	X		N	010	pH = 4.93
HAM-DT-03	WG	G	7/11/23	1733			21	5	X		X		X			ZnAc		X	X		N	011	pH = 4.64
HAM-DT-01	WG	G	7/11/23	1324			22	5	X		X		X			ZnAc		X	X		N	012	pH = 4.63
HAM-DT-02	WG	G	7/11/23	1620			31	5	X		X		X			ZnAc		X	X		N	013	pH = 4.97
HAM-INW-01	WG	G	7/19/23	0931			20	5	X		X		X			ZnAc		X	X		N	014	pH = 5.18
HAM-MW-57	WG	G	7/19/23	1040			20	1			X									X	N	015	pH = 6.45
																					N		

92677696

ADDITIONAL COMMENTS
Code: HAM-CCR-CA-20230713

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Alana Nelly / Geosyntec	7/19/23	1355		7/19	1355

SAMPLE CONDITIONS: Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Alana Nelly / Geosyntec Consultants, Inc
SIGNATURE of SAMPLER: Alana Nelly DATE Signed (MM/DD/YY): 07/19/23

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

August 25, 2023

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on August 11, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

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

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

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Kip Gray, Geosyntec
Christine Hug, Geosyntec Consultants, Inc.
Whitney Law, Geosyntec Consultants
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315
Georgia DW Inorganics Certification #: 812
North Carolina Certification #: 381
South Carolina Certification #: 98011001
Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92682396001	**HAM-INW-01**	Water	08/09/23 13:36	08/11/23 13:12
92682396002	**HAM-INW-02**	Water	08/09/23 13:10	08/11/23 13:12
92682396003	**HAM-PT-01**	Water	08/09/23 12:13	08/11/23 13:12
92682396004	**HAM-PT-02**	Water	08/09/23 14:23	08/11/23 13:12
92682396005	**HAM-PT-03**	Water	08/09/23 10:47	08/11/23 13:12
92682396006	**HAM-PT-04**	Water	08/09/23 14:22	08/11/23 13:12
92682396007	**HAM-PT-05**	Water	08/09/23 17:39	08/11/23 13:12
92682396008	**HAM-PT-06**	Water	08/09/23 15:48	08/11/23 13:12
92682396009	**HAM-MW-55**	Water	08/09/23 18:22	08/11/23 13:12
92682396010	**HAM-MW-56**	Water	08/09/23 16:51	08/11/23 13:12
92682396011	**HAM-MW-57**	Water	08/09/23 12:28	08/11/23 13:12
92682396012	**HAM-MW-58**	Water	08/09/23 10:34	08/11/23 13:12
92682396013	**HAM-MW-59**	Water	08/09/23 16:51	08/11/23 13:12
92682396014	**HAM-AP2-FD-07**	Water	08/09/23 00:00	08/11/23 13:12
92682396015	**HAM-AP2-FB-07**	Water	08/09/23 18:10	08/11/23 13:12

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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SAMPLE ANALYTE COUNT

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92682396001	**HAM-INW-01**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92682396002	**HAM-INW-02**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92682396003	**HAM-PT-01**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92682396004	**HAM-PT-02**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92682396005	**HAM-PT-03**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92682396006	**HAM-PT-04**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92682396007	**HAM-PT-05**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92682396008	**HAM-PT-06**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92682396009	**HAM-MW-55**	EPA 6020B	CW1	2
92682396010	**HAM-MW-56**	EPA 6020B	CW1	2
92682396011	**HAM-MW-57**	EPA 6020B	CW1	2
92682396012	**HAM-MW-58**	EPA 6020B	CW1	2
92682396013	**HAM-MW-59**	EPA 6020B	CW1	2
92682396014	**HAM-AP2-FD-07**	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92682396015	**HAM-AP2-FB-07**	EPA 6010D	DRB	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 300.0 Rev 2.1 1993	CDC	3

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

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SUMMARY OF DETECTION

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92682396001	**HAM-INW-01**					
EPA 6010D	Calcium	409	mg/L	5.0	08/23/23 05:18	
EPA 6010D	Iron	12.3	mg/L	0.040	08/18/23 20:03	
EPA 6010D	Manganese	20.7	mg/L	0.040	08/18/23 20:03	
EPA 6010D	Potassium	6.2	mg/L	0.50	08/18/23 20:03	
EPA 6010D	Sodium	12.5	mg/L	1.0	08/18/23 20:03	
EPA 6010D	Magnesium	58.4	mg/L	0.050	08/18/23 20:03	
EPA 6020B	Barium	0.053	mg/L	0.0050	08/18/23 19:14	
EPA 6020B	Beryllium	0.00059	mg/L	0.00050	08/18/23 19:14	
EPA 6020B	Boron	8.0	mg/L	0.40	08/21/23 15:51	
EPA 6020B	Cobalt	0.11	mg/L	0.0050	08/18/23 19:14	
EPA 6020B	Lithium	0.0036J	mg/L	0.030	08/18/23 19:14	
EPA 6020B	Selenium	0.011	mg/L	0.0050	08/18/23 19:14	
SM 2540C-2015	Total Dissolved Solids	1890	mg/L	25.0	08/15/23 16:53	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	46.5	mg/L	5.0	08/16/23 15:19	
SM 2320B-2011	Alkalinity, Total as CaCO3	46.5	mg/L	5.0	08/16/23 15:19	
EPA 300.0 Rev 2.1 1993	Chloride	207	mg/L	16.0	08/16/23 05:14	
EPA 300.0 Rev 2.1 1993	Fluoride	0.19	mg/L	0.10	08/15/23 17:22	
EPA 300.0 Rev 2.1 1993	Sulfate	763	mg/L	16.0	08/16/23 05:14	
92682396002	**HAM-INW-02**					
EPA 6010D	Calcium	306	mg/L	5.0	08/23/23 05:34	
EPA 6010D	Iron	9.4	mg/L	0.040	08/18/23 20:08	
EPA 6010D	Manganese	13.3	mg/L	0.040	08/18/23 20:08	
EPA 6010D	Potassium	6.6	mg/L	0.50	08/18/23 20:08	
EPA 6010D	Sodium	12.9	mg/L	1.0	08/18/23 20:08	
EPA 6010D	Magnesium	27.0	mg/L	0.050	08/18/23 20:08	
EPA 6020B	Arsenic	0.0054J	mg/L	0.010	08/18/23 19:18	
EPA 6020B	Barium	0.042	mg/L	0.0050	08/18/23 19:18	
EPA 6020B	Boron	6.3	mg/L	0.40	08/21/23 15:57	
EPA 6020B	Cobalt	0.050	mg/L	0.0050	08/18/23 19:18	
EPA 6020B	Lithium	0.0038J	mg/L	0.030	08/18/23 19:18	
EPA 6020B	Thallium	0.00045J	mg/L	0.0010	08/18/23 19:18	
SM 2540C-2015	Total Dissolved Solids	1350	mg/L	25.0	08/15/23 16:55	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	166	mg/L	5.0	08/16/23 15:26	
SM 2320B-2011	Alkalinity, Total as CaCO3	166	mg/L	5.0	08/16/23 15:26	
EPA 300.0 Rev 2.1 1993	Chloride	135	mg/L	10.0	08/16/23 05:28	
EPA 300.0 Rev 2.1 1993	Sulfate	457	mg/L	10.0	08/16/23 05:28	
92682396003	**HAM-PT-01**					
EPA 6010D	Calcium	326	mg/L	5.0	08/23/23 05:39	
EPA 6010D	Manganese	10.3	mg/L	0.040	08/18/23 20:14	
EPA 6010D	Potassium	6.5	mg/L	0.50	08/18/23 20:14	
EPA 6010D	Sodium	10.6	mg/L	1.0	08/18/23 20:14	
EPA 6010D	Magnesium	39.0	mg/L	0.050	08/18/23 20:14	
EPA 6020B	Arsenic	0.0052J	mg/L	0.010	08/18/23 19:21	
EPA 6020B	Barium	0.037	mg/L	0.0050	08/18/23 19:21	
EPA 6020B	Beryllium	0.0021	mg/L	0.00050	08/18/23 19:21	
EPA 6020B	Boron	7.9	mg/L	0.20	08/21/23 16:03	

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SUMMARY OF DETECTION

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92682396003	**HAM-PT-01**					
EPA 6020B	Cadmium	0.0010	mg/L	0.00050	08/18/23 19:21	
EPA 6020B	Cobalt	0.11	mg/L	0.0050	08/18/23 19:21	
EPA 6020B	Lithium	0.0039J	mg/L	0.030	08/18/23 19:21	
EPA 6020B	Selenium	0.020	mg/L	0.0050	08/18/23 19:21	
EPA 7470A	Mercury	0.00014J	mg/L	0.00020	08/15/23 16:25	
SM 2540C-2015	Total Dissolved Solids	1820	mg/L	25.0	08/15/23 16:55	
EPA 300.0 Rev 2.1 1993	Chloride	141	mg/L	16.0	08/16/23 06:11	M1
EPA 300.0 Rev 2.1 1993	Fluoride	0.56	mg/L	0.10	08/15/23 17:51	
EPA 300.0 Rev 2.1 1993	Sulfate	762	mg/L	16.0	08/16/23 06:11	M1
92682396004	**HAM-PT-02**					
EPA 6010D	Iron	0.39	mg/L	0.040	08/18/23 20:19	
EPA 6010D	Manganese	11.5	mg/L	0.040	08/18/23 20:19	
EPA 6010D	Potassium	6.5	mg/L	0.50	08/18/23 20:19	
EPA 6010D	Sodium	9.8	mg/L	1.0	08/18/23 20:19	
EPA 6010D	Magnesium	37.2	mg/L	0.050	08/18/23 20:19	
EPA 6010D	Calcium	276	mg/L	5.0	08/23/23 05:44	
EPA 6020B	Arsenic	0.0051J	mg/L	0.010	08/18/23 19:33	
EPA 6020B	Barium	0.045	mg/L	0.0050	08/18/23 19:33	
EPA 6020B	Beryllium	0.0022	mg/L	0.00050	08/18/23 19:33	
EPA 6020B	Boron	8.4	mg/L	0.20	08/21/23 16:08	
EPA 6020B	Cadmium	0.00092	mg/L	0.00050	08/18/23 19:33	
EPA 6020B	Cobalt	0.13	mg/L	0.0050	08/18/23 19:33	
EPA 6020B	Lead	0.00071J	mg/L	0.0050	08/21/23 16:08	D3
EPA 6020B	Lithium	0.0043J	mg/L	0.030	08/18/23 19:33	
EPA 6020B	Selenium	0.021	mg/L	0.0050	08/18/23 19:33	
SM 2540C-2015	Total Dissolved Solids	1800	mg/L	25.0	08/15/23 16:55	
EPA 300.0 Rev 2.1 1993	Chloride	138	mg/L	17.0	08/16/23 06:54	
EPA 300.0 Rev 2.1 1993	Fluoride	0.67	mg/L	0.10	08/15/23 19:03	
EPA 300.0 Rev 2.1 1993	Sulfate	767	mg/L	17.0	08/16/23 06:54	
92682396005	**HAM-PT-03**					
EPA 6010D	Iron	0.59	mg/L	0.040	08/18/23 20:24	
EPA 6010D	Manganese	7.5	mg/L	0.040	08/18/23 20:24	
EPA 6010D	Potassium	6.6	mg/L	0.50	08/18/23 20:24	
EPA 6010D	Sodium	14.7	mg/L	1.0	08/18/23 20:24	
EPA 6010D	Magnesium	35.1	mg/L	0.050	08/18/23 20:24	
EPA 6010D	Calcium	360	mg/L	5.0	08/23/23 20:31	
EPA 6020B	Arsenic	0.0056J	mg/L	0.010	08/18/23 19:40	
EPA 6020B	Barium	0.021	mg/L	0.0050	08/18/23 19:40	
EPA 6020B	Beryllium	0.0024	mg/L	0.00050	08/18/23 19:40	
EPA 6020B	Boron	8.7	mg/L	0.20	08/21/23 16:14	
EPA 6020B	Cadmium	0.00055	mg/L	0.00050	08/18/23 19:40	
EPA 6020B	Cobalt	0.11	mg/L	0.0050	08/18/23 19:40	
EPA 6020B	Lead	0.0020J	mg/L	0.0050	08/21/23 16:14	D3
EPA 6020B	Lithium	0.0023J	mg/L	0.030	08/18/23 19:40	
EPA 6020B	Selenium	0.021	mg/L	0.0050	08/18/23 19:40	
SM 2540C-2015	Total Dissolved Solids	1750	mg/L	25.0	08/15/23 16:55	

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SUMMARY OF DETECTION

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92682396005	**HAM-PT-03**					
EPA 300.0 Rev 2.1 1993	Chloride	113	mg/L	17.0	08/16/23 07:08	
EPA 300.0 Rev 2.1 1993	Fluoride	0.77	mg/L	0.10	08/15/23 19:18	
EPA 300.0 Rev 2.1 1993	Sulfate	778	mg/L	17.0	08/16/23 07:08	
92682396006	**HAM-PT-04**					
EPA 6010D	Calcium	287	mg/L	5.0	08/23/23 20:41	
EPA 6010D	Iron	13.2	mg/L	0.040	08/18/23 20:29	
EPA 6010D	Manganese	17.0	mg/L	0.040	08/18/23 20:29	
EPA 6010D	Potassium	7.6	mg/L	0.50	08/18/23 20:29	
EPA 6010D	Sodium	11.4	mg/L	1.0	08/18/23 20:29	
EPA 6010D	Magnesium	24.3	mg/L	0.050	08/18/23 20:29	
EPA 6020B	Arsenic	0.0081J	mg/L	0.010	08/18/23 19:44	
EPA 6020B	Barium	0.039	mg/L	0.0050	08/18/23 19:44	
EPA 6020B	Boron	7.8	mg/L	0.40	08/21/23 16:20	
EPA 6020B	Cobalt	0.056	mg/L	0.0050	08/18/23 19:44	
EPA 6020B	Lithium	0.0047J	mg/L	0.030	08/18/23 19:44	
EPA 6020B	Thallium	0.00027J	mg/L	0.0010	08/18/23 19:44	
SM 2540C-2015	Total Dissolved Solids	1320	mg/L	25.0	08/15/23 16:55	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	168	mg/L	5.0	08/16/23 14:27	
SM 2320B-2011	Alkalinity, Total as CaCO3	168	mg/L	5.0	08/16/23 14:27	
SM 4500-S2D-2011	Sulfide	0.031J	mg/L	0.10	08/15/23 06:27	
EPA 300.0 Rev 2.1 1993	Chloride	132	mg/L	10.0	08/16/23 07:22	
EPA 300.0 Rev 2.1 1993	Sulfate	458	mg/L	10.0	08/16/23 07:22	
92682396007	**HAM-PT-05**					
EPA 6010D	Calcium	370	mg/L	5.0	08/23/23 06:00	
EPA 6010D	Iron	1.6	mg/L	0.040	08/18/23 20:34	
EPA 6010D	Manganese	10.7	mg/L	0.040	08/18/23 20:34	
EPA 6010D	Potassium	5.0	mg/L	0.50	08/18/23 20:34	
EPA 6010D	Sodium	11.8	mg/L	1.0	08/18/23 20:34	
EPA 6010D	Magnesium	26.5	mg/L	0.050	08/18/23 20:34	
EPA 6020B	Barium	0.040	mg/L	0.0050	08/18/23 19:47	
EPA 6020B	Boron	7.2	mg/L	0.40	08/21/23 16:39	
EPA 6020B	Cobalt	0.039	mg/L	0.0050	08/18/23 19:47	
EPA 6020B	Lithium	0.0049J	mg/L	0.030	08/18/23 19:47	
SM 2540C-2015	Total Dissolved Solids	1480	mg/L	25.0	08/15/23 16:55	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	150	mg/L	5.0	08/16/23 14:39	
SM 2320B-2011	Alkalinity, Total as CaCO3	150	mg/L	5.0	08/16/23 14:39	
EPA 300.0 Rev 2.1 1993	Chloride	145	mg/L	10.0	08/16/23 07:36	
EPA 300.0 Rev 2.1 1993	Sulfate	479	mg/L	10.0	08/16/23 07:36	
92682396008	**HAM-PT-06**					
EPA 6010D	Calcium	300	mg/L	5.0	08/23/23 06:05	
EPA 6010D	Iron	5.8	mg/L	0.040	08/18/23 20:48	
EPA 6010D	Manganese	17.4	mg/L	0.040	08/18/23 20:48	
EPA 6010D	Potassium	7.3	mg/L	0.50	08/18/23 20:48	
EPA 6010D	Sodium	15.3	mg/L	1.0	08/18/23 20:48	
EPA 6010D	Magnesium	26.1	mg/L	0.050	08/18/23 20:48	
EPA 6020B	Barium	0.032	mg/L	0.0050	08/18/23 19:51	

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SUMMARY OF DETECTION

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92682396008	**HAM-PT-06**					
EPA 6020B	Boron	7.2	mg/L	0.40	08/21/23 16:45	
EPA 6020B	Cadmium	0.00025J	mg/L	0.00050	08/18/23 19:51	
EPA 6020B	Cobalt	0.058	mg/L	0.0050	08/18/23 19:51	
EPA 6020B	Lithium	0.0055J	mg/L	0.030	08/18/23 19:51	
EPA 6020B	Thallium	0.00064J	mg/L	0.0010	08/18/23 19:51	
SM 2540C-2015	Total Dissolved Solids	1420	mg/L	25.0	08/15/23 16:55	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	144	mg/L	5.0	08/16/23 14:51	
SM 2320B-2011	Alkalinity, Total as CaCO3	144	mg/L	5.0	08/16/23 14:51	
EPA 300.0 Rev 2.1 1993	Chloride	140	mg/L	10.0	08/16/23 07:50	
EPA 300.0 Rev 2.1 1993	Sulfate	473	mg/L	10.0	08/16/23 07:50	
92682396009	**HAM-MW-55**					
EPA 6020B	Boron	3.1	mg/L	0.40	08/23/23 18:31	
EPA 6020B	Cobalt	0.0044J	mg/L	0.0050	08/22/23 15:12	
92682396010	**HAM-MW-56**					
EPA 6020B	Boron	10.1	mg/L	0.40	08/23/23 18:37	M1
EPA 6020B	Cobalt	0.21	mg/L	0.0050	08/22/23 15:16	
92682396011	**HAM-MW-57**					
EPA 6020B	Boron	8.5	mg/L	0.40	08/23/23 18:55	
EPA 6020B	Cobalt	0.030	mg/L	0.0050	08/22/23 15:31	
92682396012	**HAM-MW-58**					
EPA 6020B	Boron	4.0	mg/L	0.40	08/23/23 19:01	
EPA 6020B	Cobalt	0.098	mg/L	0.0050	08/22/23 15:34	
92682396013	**HAM-MW-59**					
EPA 6020B	Boron	9.5	mg/L	0.40	08/23/23 19:07	
EPA 6020B	Cobalt	0.16	mg/L	0.0050	08/22/23 15:38	
92682396014	**HAM-AP2-FD-07**					
EPA 6010D	Iron	13.9	mg/L	0.040	08/18/23 20:53	
EPA 6010D	Manganese	17.7	mg/L	0.040	08/18/23 20:53	
EPA 6010D	Potassium	8.0	mg/L	0.50	08/18/23 20:53	
EPA 6010D	Sodium	12.2	mg/L	1.0	08/18/23 20:53	
EPA 6010D	Magnesium	25.3	mg/L	0.050	08/18/23 20:53	
EPA 6010D	Calcium	310	mg/L	5.0	08/23/23 06:10	
EPA 6020B	Arsenic	0.0088J	mg/L	0.010	08/22/23 16:24	
EPA 6020B	Barium	0.041	mg/L	0.0050	08/22/23 16:24	
EPA 6020B	Boron	7.7	mg/L	0.40	08/23/23 19:13	
EPA 6020B	Cobalt	0.058	mg/L	0.0050	08/22/23 16:24	
EPA 6020B	Lithium	0.0047J	mg/L	0.030	08/22/23 16:24	
EPA 6020B	Thallium	0.00024J	mg/L	0.0010	08/22/23 16:24	
SM 2540C-2015	Total Dissolved Solids	1460	mg/L	25.0	08/15/23 16:56	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	170	mg/L	5.0	08/16/23 15:03	
SM 2320B-2011	Alkalinity, Total as CaCO3	170	mg/L	5.0	08/16/23 15:03	
SM 4500-S2D-2011	Sulfide	0.032J	mg/L	0.10	08/15/23 06:28	
EPA 300.0 Rev 2.1 1993	Chloride	132	mg/L	10.0	08/16/23 08:05	
EPA 300.0 Rev 2.1 1993	Sulfate	454	mg/L	10.0	08/16/23 08:05	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-INW-01 **Lab ID: 92682396001** Collected: 08/09/23 13:36 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**409**	mg/L	5.0	0.61	5	08/18/23 10:36	08/23/23 05:18	7440-70-2	
Iron	**12.3**	mg/L	0.040	0.025	1	08/18/23 10:36	08/18/23 20:03	7439-89-6	
Manganese	**20.7**	mg/L	0.040	0.011	1	08/18/23 10:36	08/18/23 20:03	7439-96-5	
Potassium	**6.2**	mg/L	0.50	0.15	1	08/18/23 10:36	08/18/23 20:03	7440-09-7	
Sodium	**12.5**	mg/L	1.0	0.58	1	08/18/23 10:36	08/18/23 20:03	7440-23-5	
Magnesium	**58.4**	mg/L	0.050	0.012	1	08/18/23 10:36	08/18/23 20:03	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/16/23 10:27	08/18/23 19:14	7440-36-0	
Arsenic	ND	mg/L	0.010	0.0037	1	08/16/23 10:27	08/18/23 19:14	7440-38-2	
Barium	**0.053**	mg/L	0.0050	0.00067	1	08/16/23 10:27	08/18/23 19:14	7440-39-3	
Beryllium	**0.00059**	mg/L	0.00050	0.000054	1	08/16/23 10:27	08/18/23 19:14	7440-41-7	
Boron	**8.0**	mg/L	0.40	0.086	10	08/16/23 10:27	08/21/23 15:51	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/16/23 10:27	08/18/23 19:14	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/16/23 10:27	08/18/23 19:14	7440-47-3	
Cobalt	**0.11**	mg/L	0.0050	0.00039	1	08/16/23 10:27	08/18/23 19:14	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/16/23 10:27	08/18/23 19:14	7439-92-1	
Lithium	**0.0036J**	mg/L	0.030	0.00073	1	08/16/23 10:27	08/18/23 19:14	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/16/23 10:27	08/18/23 19:14	7439-98-7	
Selenium	**0.011**	mg/L	0.0050	0.0014	1	08/16/23 10:27	08/18/23 19:14	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/16/23 10:27	08/18/23 19:14	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 11:30	08/15/23 16:20	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1890**	mg/L	25.0	25.0	1		08/15/23 16:53		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**46.5**	mg/L	5.0	5.0	1		08/16/23 15:19		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 15:19		
Alkalinity, Total as CaCO3	**46.5**	mg/L	5.0	5.0	1		08/16/23 15:19		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/15/23 06:21	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**207**	mg/L	16.0	9.6	16		08/16/23 05:14	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-INW-01 **Lab ID: 92682396001** Collected: 08/09/23 13:36 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.19**	mg/L	0.10	0.050	1		08/15/23 17:22	16984-48-8	
Sulfate	**763**	mg/L	16.0	8.0	16		08/16/23 05:14	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-INW-02 **Lab ID: 92682396002** Collected: 08/09/23 13:10 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**306**	mg/L	5.0	0.61	5	08/18/23 10:36	08/23/23 05:34	7440-70-2	
Iron	**9.4**	mg/L	0.040	0.025	1	08/18/23 10:36	08/18/23 20:08	7439-89-6	
Manganese	**13.3**	mg/L	0.040	0.011	1	08/18/23 10:36	08/18/23 20:08	7439-96-5	
Potassium	**6.6**	mg/L	0.50	0.15	1	08/18/23 10:36	08/18/23 20:08	7440-09-7	
Sodium	**12.9**	mg/L	1.0	0.58	1	08/18/23 10:36	08/18/23 20:08	7440-23-5	
Magnesium	**27.0**	mg/L	0.050	0.012	1	08/18/23 10:36	08/18/23 20:08	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/16/23 10:27	08/18/23 19:18	7440-36-0	
Arsenic	**0.0054J**	mg/L	0.010	0.0037	1	08/16/23 10:27	08/18/23 19:18	7440-38-2	
Barium	**0.042**	mg/L	0.0050	0.00067	1	08/16/23 10:27	08/18/23 19:18	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/16/23 10:27	08/18/23 19:18	7440-41-7	
Boron	**6.3**	mg/L	0.40	0.086	10	08/16/23 10:27	08/21/23 15:57	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/16/23 10:27	08/18/23 19:18	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/16/23 10:27	08/18/23 19:18	7440-47-3	
Cobalt	**0.050**	mg/L	0.0050	0.00039	1	08/16/23 10:27	08/18/23 19:18	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/16/23 10:27	08/18/23 19:18	7439-92-1	
Lithium	**0.0038J**	mg/L	0.030	0.00073	1	08/16/23 10:27	08/18/23 19:18	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/16/23 10:27	08/18/23 19:18	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/16/23 10:27	08/18/23 19:18	7782-49-2	
Thallium	**0.00045J**	mg/L	0.0010	0.00018	1	08/16/23 10:27	08/18/23 19:18	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 11:30	08/15/23 16:22	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1350**	mg/L	25.0	25.0	1		08/15/23 16:55		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**166**	mg/L	5.0	5.0	1		08/16/23 15:26		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 15:26		
Alkalinity, Total as CaCO3	**166**	mg/L	5.0	5.0	1		08/16/23 15:26		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/15/23 06:22	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**135**	mg/L	10.0	6.0	10		08/16/23 05:28	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-INW-02 **Lab ID: 92682396002** Collected: 08/09/23 13:10 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		08/15/23 17:37	16984-48-8	
Sulfate	**457**	mg/L	10.0	5.0	10		08/16/23 05:28	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-PT-01 **Lab ID: 92682396003** Collected: 08/09/23 12:13 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**326**	mg/L	5.0	0.61	5	08/18/23 10:36	08/23/23 05:39	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	08/18/23 10:36	08/18/23 20:14	7439-89-6	
Manganese	**10.3**	mg/L	0.040	0.011	1	08/18/23 10:36	08/18/23 20:14	7439-96-5	
Potassium	**6.5**	mg/L	0.50	0.15	1	08/18/23 10:36	08/18/23 20:14	7440-09-7	
Sodium	**10.6**	mg/L	1.0	0.58	1	08/18/23 10:36	08/18/23 20:14	7440-23-5	
Magnesium	**39.0**	mg/L	0.050	0.012	1	08/18/23 10:36	08/18/23 20:14	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/16/23 10:27	08/18/23 19:21	7440-36-0	
Arsenic	**0.0052J**	mg/L	0.010	0.0037	1	08/16/23 10:27	08/18/23 19:21	7440-38-2	
Barium	**0.037**	mg/L	0.0050	0.00067	1	08/16/23 10:27	08/18/23 19:21	7440-39-3	
Beryllium	**0.0021**	mg/L	0.00050	0.000054	1	08/16/23 10:27	08/18/23 19:21	7440-41-7	
Boron	**7.9**	mg/L	0.20	0.043	5	08/16/23 10:27	08/21/23 16:03	7440-42-8	
Cadmium	**0.0010**	mg/L	0.00050	0.00011	1	08/16/23 10:27	08/18/23 19:21	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/16/23 10:27	08/18/23 19:21	7440-47-3	
Cobalt	**0.11**	mg/L	0.0050	0.00039	1	08/16/23 10:27	08/18/23 19:21	7440-48-4	
Lead	ND	mg/L	0.0050	0.00060	5	08/16/23 10:27	08/21/23 16:03	7439-92-1	D3
Lithium	**0.0039J**	mg/L	0.030	0.00073	1	08/16/23 10:27	08/18/23 19:21	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/16/23 10:27	08/18/23 19:21	7439-98-7	
Selenium	**0.020**	mg/L	0.0050	0.0014	1	08/16/23 10:27	08/18/23 19:21	7782-49-2	
Thallium	ND	mg/L	0.0050	0.00090	5	08/16/23 10:27	08/21/23 16:03	7440-28-0	D3
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	**0.00014J**	mg/L	0.00020	0.00013	1	08/15/23 11:30	08/15/23 16:25	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1820**	mg/L	25.0	25.0	1		08/15/23 16:55		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 15:37		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 15:37		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/16/23 15:37		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/15/23 06:22	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**141**	mg/L	16.0	9.6	16		08/16/23 06:11	16887-00-6	M1

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-PT-01 **Lab ID: 92682396003** Collected: 08/09/23 12:13 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.56**	mg/L	0.10	0.050	1		08/15/23 17:51	16984-48-8	
Sulfate	**762**	mg/L	16.0	8.0	16		08/16/23 06:11	14808-79-8	M1

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-PT-02 **Lab ID: 92682396004** Collected: 08/09/23 14:23 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**0.39**	mg/L	0.040	0.025	1	08/18/23 10:36	08/18/23 20:19	7439-89-6	
Manganese	**11.5**	mg/L	0.040	0.011	1	08/18/23 10:36	08/18/23 20:19	7439-96-5	
Potassium	**6.5**	mg/L	0.50	0.15	1	08/18/23 10:36	08/18/23 20:19	7440-09-7	
Sodium	**9.8**	mg/L	1.0	0.58	1	08/18/23 10:36	08/18/23 20:19	7440-23-5	
Magnesium	**37.2**	mg/L	0.050	0.012	1	08/18/23 10:36	08/18/23 20:19	7439-95-4	
Calcium	**276**	mg/L	5.0	0.61	5	08/18/23 10:36	08/23/23 05:44	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/16/23 10:27	08/18/23 19:33	7440-36-0	
Arsenic	**0.0051J**	mg/L	0.010	0.0037	1	08/16/23 10:27	08/18/23 19:33	7440-38-2	
Barium	**0.045**	mg/L	0.0050	0.00067	1	08/16/23 10:27	08/18/23 19:33	7440-39-3	
Beryllium	**0.0022**	mg/L	0.00050	0.000054	1	08/16/23 10:27	08/18/23 19:33	7440-41-7	
Boron	**8.4**	mg/L	0.20	0.043	5	08/16/23 10:27	08/21/23 16:08	7440-42-8	
Cadmium	**0.00092**	mg/L	0.00050	0.00011	1	08/16/23 10:27	08/18/23 19:33	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/16/23 10:27	08/18/23 19:33	7440-47-3	
Cobalt	**0.13**	mg/L	0.0050	0.00039	1	08/16/23 10:27	08/18/23 19:33	7440-48-4	
Lead	**0.00071J**	mg/L	0.0050	0.00060	5	08/16/23 10:27	08/21/23 16:08	7439-92-1	D3
Lithium	**0.0043J**	mg/L	0.030	0.00073	1	08/16/23 10:27	08/18/23 19:33	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/16/23 10:27	08/18/23 19:33	7439-98-7	
Selenium	**0.021**	mg/L	0.0050	0.0014	1	08/16/23 10:27	08/18/23 19:33	7782-49-2	
Thallium	ND	mg/L	0.0050	0.00090	5	08/16/23 10:27	08/21/23 16:08	7440-28-0	D3
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 11:30	08/15/23 16:28	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1800**	mg/L	25.0	25.0	1		08/15/23 16:55		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 15:53		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 15:53		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/16/23 15:53		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/15/23 06:23	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**138**	mg/L	17.0	10.2	17		08/16/23 06:54	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-PT-02 **Lab ID: 92682396004** Collected: 08/09/23 14:23 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.67**	mg/L	0.10	0.050	1		08/15/23 19:03	16984-48-8	
Sulfate	**767**	mg/L	17.0	8.5	17		08/16/23 06:54	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-PT-03 **Lab ID: 92682396005** Collected: 08/09/23 10:47 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**0.59**	mg/L	0.040	0.025	1	08/18/23 10:36	08/18/23 20:24	7439-89-6	
Manganese	**7.5**	mg/L	0.040	0.011	1	08/18/23 10:36	08/18/23 20:24	7439-96-5	
Potassium	**6.6**	mg/L	0.50	0.15	1	08/18/23 10:36	08/18/23 20:24	7440-09-7	
Sodium	**14.7**	mg/L	1.0	0.58	1	08/18/23 10:36	08/18/23 20:24	7440-23-5	
Magnesium	**35.1**	mg/L	0.050	0.012	1	08/18/23 10:36	08/18/23 20:24	7439-95-4	
Calcium	**360**	mg/L	5.0	0.61	5	08/18/23 10:36	08/23/23 20:31	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/16/23 10:27	08/18/23 19:40	7440-36-0	
Arsenic	**0.0056J**	mg/L	0.010	0.0037	1	08/16/23 10:27	08/18/23 19:40	7440-38-2	
Barium	**0.021**	mg/L	0.0050	0.00067	1	08/16/23 10:27	08/18/23 19:40	7440-39-3	
Beryllium	**0.0024**	mg/L	0.00050	0.000054	1	08/16/23 10:27	08/18/23 19:40	7440-41-7	
Boron	**8.7**	mg/L	0.20	0.043	5	08/16/23 10:27	08/21/23 16:14	7440-42-8	
Cadmium	**0.00055**	mg/L	0.00050	0.00011	1	08/16/23 10:27	08/18/23 19:40	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/16/23 10:27	08/18/23 19:40	7440-47-3	
Cobalt	**0.11**	mg/L	0.0050	0.00039	1	08/16/23 10:27	08/18/23 19:40	7440-48-4	
Lead	**0.0020J**	mg/L	0.0050	0.00060	5	08/16/23 10:27	08/21/23 16:14	7439-92-1	D3
Lithium	**0.0023J**	mg/L	0.030	0.00073	1	08/16/23 10:27	08/18/23 19:40	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/16/23 10:27	08/18/23 19:40	7439-98-7	
Selenium	**0.021**	mg/L	0.0050	0.0014	1	08/16/23 10:27	08/18/23 19:40	7782-49-2	
Thallium	ND	mg/L	0.0050	0.00090	5	08/16/23 10:27	08/21/23 16:14	7440-28-0	D3
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 11:30	08/15/23 16:35	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1750**	mg/L	25.0	25.0	1		08/15/23 16:55		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 16:16		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 16:16		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/16/23 16:16		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/15/23 06:25	18496-25-8	R1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**113**	mg/L	17.0	10.2	17		08/16/23 07:08	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-PT-03 **Lab ID: 92682396005** Collected: 08/09/23 10:47 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.77**	mg/L	0.10	0.050	1		08/15/23 19:18	16984-48-8	
Sulfate	**778**	mg/L	17.0	8.5	17		08/16/23 07:08	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-PT-04 **Lab ID: 92682396006** Collected: 08/09/23 14:22 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**287**	mg/L	5.0	0.61	5	08/18/23 10:36	08/23/23 20:41	7440-70-2	
Iron	**13.2**	mg/L	0.040	0.025	1	08/18/23 10:36	08/18/23 20:29	7439-89-6	
Manganese	**17.0**	mg/L	0.040	0.011	1	08/18/23 10:36	08/18/23 20:29	7439-96-5	
Potassium	**7.6**	mg/L	0.50	0.15	1	08/18/23 10:36	08/18/23 20:29	7440-09-7	
Sodium	**11.4**	mg/L	1.0	0.58	1	08/18/23 10:36	08/18/23 20:29	7440-23-5	
Magnesium	**24.3**	mg/L	0.050	0.012	1	08/18/23 10:36	08/18/23 20:29	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/16/23 10:27	08/18/23 19:44	7440-36-0	
Arsenic	**0.0081J**	mg/L	0.010	0.0037	1	08/16/23 10:27	08/18/23 19:44	7440-38-2	
Barium	**0.039**	mg/L	0.0050	0.00067	1	08/16/23 10:27	08/18/23 19:44	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/16/23 10:27	08/18/23 19:44	7440-41-7	
Boron	**7.8**	mg/L	0.40	0.086	10	08/16/23 10:27	08/21/23 16:20	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/16/23 10:27	08/18/23 19:44	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/16/23 10:27	08/18/23 19:44	7440-47-3	
Cobalt	**0.056**	mg/L	0.0050	0.00039	1	08/16/23 10:27	08/18/23 19:44	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/16/23 10:27	08/18/23 19:44	7439-92-1	
Lithium	**0.0047J**	mg/L	0.030	0.00073	1	08/16/23 10:27	08/18/23 19:44	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/16/23 10:27	08/18/23 19:44	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/16/23 10:27	08/18/23 19:44	7782-49-2	
Thallium	**0.00027J**	mg/L	0.0010	0.00018	1	08/16/23 10:27	08/18/23 19:44	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 11:30	08/15/23 16:38	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1320**	mg/L	25.0	25.0	1		08/15/23 16:55		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**168**	mg/L	5.0	5.0	1		08/16/23 14:27		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 14:27		
Alkalinity, Total as CaCO3	**168**	mg/L	5.0	5.0	1		08/16/23 14:27		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**0.031J**	mg/L	0.10	0.022	1		08/15/23 06:27	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**132**	mg/L	10.0	6.0	10		08/16/23 07:22	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-PT-04 **Lab ID: 92682396006** Collected: 08/09/23 14:22 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		08/15/23 19:32	16984-48-8	
Sulfate	**458**	mg/L	10.0	5.0	10		08/16/23 07:22	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-PT-05 **Lab ID: 92682396007** Collected: 08/09/23 17:39 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**370**	mg/L	5.0	0.61	5	08/18/23 10:36	08/23/23 06:00	7440-70-2	
Iron	**1.6**	mg/L	0.040	0.025	1	08/18/23 10:36	08/18/23 20:34	7439-89-6	
Manganese	**10.7**	mg/L	0.040	0.011	1	08/18/23 10:36	08/18/23 20:34	7439-96-5	
Potassium	**5.0**	mg/L	0.50	0.15	1	08/18/23 10:36	08/18/23 20:34	7440-09-7	
Sodium	**11.8**	mg/L	1.0	0.58	1	08/18/23 10:36	08/18/23 20:34	7440-23-5	
Magnesium	**26.5**	mg/L	0.050	0.012	1	08/18/23 10:36	08/18/23 20:34	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/16/23 10:27	08/18/23 19:47	7440-36-0	
Arsenic	ND	mg/L	0.010	0.0037	1	08/16/23 10:27	08/18/23 19:47	7440-38-2	
Barium	**0.040**	mg/L	0.0050	0.00067	1	08/16/23 10:27	08/18/23 19:47	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/16/23 10:27	08/18/23 19:47	7440-41-7	
Boron	**7.2**	mg/L	0.40	0.086	10	08/16/23 10:27	08/21/23 16:39	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/16/23 10:27	08/18/23 19:47	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/16/23 10:27	08/18/23 19:47	7440-47-3	
Cobalt	**0.039**	mg/L	0.0050	0.00039	1	08/16/23 10:27	08/18/23 19:47	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/16/23 10:27	08/18/23 19:47	7439-92-1	
Lithium	**0.0049J**	mg/L	0.030	0.00073	1	08/16/23 10:27	08/18/23 19:47	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/16/23 10:27	08/18/23 19:47	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/16/23 10:27	08/18/23 19:47	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/16/23 10:27	08/18/23 19:47	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 11:30	08/15/23 16:41	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1480**	mg/L	25.0	25.0	1		08/15/23 16:55		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**150**	mg/L	5.0	5.0	1		08/16/23 14:39		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 14:39		
Alkalinity, Total as CaCO3	**150**	mg/L	5.0	5.0	1		08/16/23 14:39		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/15/23 06:27	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**145**	mg/L	10.0	6.0	10		08/16/23 07:36	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-PT-05 **Lab ID: 92682396007** Collected: 08/09/23 17:39 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		08/15/23 19:47	16984-48-8	
Sulfate	**479**	mg/L	10.0	5.0	10		08/16/23 07:36	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-PT-06 **Lab ID: 92682396008** Collected: 08/09/23 15:48 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**300**	mg/L	5.0	0.61	5	08/18/23 10:36	08/23/23 06:05	7440-70-2	
Iron	**5.8**	mg/L	0.040	0.025	1	08/18/23 10:36	08/18/23 20:48	7439-89-6	
Manganese	**17.4**	mg/L	0.040	0.011	1	08/18/23 10:36	08/18/23 20:48	7439-96-5	
Potassium	**7.3**	mg/L	0.50	0.15	1	08/18/23 10:36	08/18/23 20:48	7440-09-7	
Sodium	**15.3**	mg/L	1.0	0.58	1	08/18/23 10:36	08/18/23 20:48	7440-23-5	
Magnesium	**26.1**	mg/L	0.050	0.012	1	08/18/23 10:36	08/18/23 20:48	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/16/23 10:27	08/18/23 19:51	7440-36-0	
Arsenic	ND	mg/L	0.010	0.0037	1	08/16/23 10:27	08/18/23 19:51	7440-38-2	
Barium	**0.032**	mg/L	0.0050	0.00067	1	08/16/23 10:27	08/18/23 19:51	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/16/23 10:27	08/18/23 19:51	7440-41-7	
Boron	**7.2**	mg/L	0.40	0.086	10	08/16/23 10:27	08/21/23 16:45	7440-42-8	
Cadmium	**0.00025J**	mg/L	0.00050	0.00011	1	08/16/23 10:27	08/18/23 19:51	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/16/23 10:27	08/18/23 19:51	7440-47-3	
Cobalt	**0.058**	mg/L	0.0050	0.00039	1	08/16/23 10:27	08/18/23 19:51	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/16/23 10:27	08/18/23 19:51	7439-92-1	
Lithium	**0.0055J**	mg/L	0.030	0.00073	1	08/16/23 10:27	08/18/23 19:51	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/16/23 10:27	08/18/23 19:51	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/16/23 10:27	08/18/23 19:51	7782-49-2	
Thallium	**0.00064J**	mg/L	0.0010	0.00018	1	08/16/23 10:27	08/18/23 19:51	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 11:30	08/15/23 16:43	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1420**	mg/L	25.0	25.0	1		08/15/23 16:55		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**144**	mg/L	5.0	5.0	1		08/16/23 14:51		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 14:51		
Alkalinity, Total as CaCO3	**144**	mg/L	5.0	5.0	1		08/16/23 14:51		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/15/23 06:27	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**140**	mg/L	10.0	6.0	10		08/16/23 07:50	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-PT-06 **Lab ID: 92682396008** Collected: 08/09/23 15:48 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		08/15/23 20:01	16984-48-8	
Sulfate	**473**	mg/L	10.0	5.0	10		08/16/23 07:50	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-MW-55 **Lab ID: 92682396009** Collected: 08/09/23 18:22 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Boron	**3.1**	mg/L	0.40	0.086	10	08/16/23 14:27	08/23/23 18:31	7440-42-8	
Cobalt	**0.0044J**	mg/L	0.0050	0.00039	1	08/16/23 14:27	08/22/23 15:12	7440-48-4	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-MW-56 **Lab ID: 92682396010** Collected: 08/09/23 16:51 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Boron	**10.1**	mg/L	0.40	0.086	10	08/16/23 14:27	08/23/23 18:37	7440-42-8	M1
Cobalt	**0.21**	mg/L	0.0050	0.00039	1	08/16/23 14:27	08/22/23 15:16	7440-48-4	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-MW-57 **Lab ID: 92682396011** Collected: 08/09/23 12:28 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Boron	**8.5**	mg/L	0.40	0.086	10	08/16/23 14:27	08/23/23 18:55	7440-42-8	
Cobalt	**0.030**	mg/L	0.0050	0.00039	1	08/16/23 14:27	08/22/23 15:31	7440-48-4	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-MW-58 **Lab ID: 92682396012** Collected: 08/09/23 10:34 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Boron	**4.0**	mg/L	0.40	0.086	10	08/16/23 14:27	08/23/23 19:01	7440-42-8	
Cobalt	**0.098**	mg/L	0.0050	0.00039	1	08/16/23 14:27	08/22/23 15:34	7440-48-4	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-MW-59 **Lab ID: 92682396013** Collected: 08/09/23 16:51 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Boron	**9.5**	mg/L	0.40	0.086	10	08/16/23 14:27	08/23/23 19:07	7440-42-8	
Cobalt	**0.16**	mg/L	0.0050	0.00039	1	08/16/23 14:27	08/22/23 15:38	7440-48-4	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-AP2-FD-07 **Lab ID: 92682396014** Collected: 08/09/23 00:00 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**13.9**	mg/L	0.040	0.025	1	08/18/23 10:36	08/18/23 20:53	7439-89-6	
Manganese	**17.7**	mg/L	0.040	0.011	1	08/18/23 10:36	08/18/23 20:53	7439-96-5	
Potassium	**8.0**	mg/L	0.50	0.15	1	08/18/23 10:36	08/18/23 20:53	7440-09-7	
Sodium	**12.2**	mg/L	1.0	0.58	1	08/18/23 10:36	08/18/23 20:53	7440-23-5	
Magnesium	**25.3**	mg/L	0.050	0.012	1	08/18/23 10:36	08/18/23 20:53	7439-95-4	
Calcium	**310**	mg/L	5.0	0.61	5	08/18/23 10:36	08/23/23 06:10	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/16/23 14:27	08/22/23 16:24	7440-36-0	
Arsenic	**0.0088J**	mg/L	0.010	0.0037	1	08/16/23 14:27	08/22/23 16:24	7440-38-2	
Barium	**0.041**	mg/L	0.0050	0.00067	1	08/16/23 14:27	08/22/23 16:24	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/16/23 14:27	08/22/23 16:24	7440-41-7	
Boron	**7.7**	mg/L	0.40	0.086	10	08/16/23 14:27	08/23/23 19:13	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/16/23 14:27	08/22/23 16:24	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/16/23 14:27	08/22/23 16:24	7440-47-3	
Cobalt	**0.058**	mg/L	0.0050	0.00039	1	08/16/23 14:27	08/22/23 16:24	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/16/23 14:27	08/22/23 16:24	7439-92-1	
Lithium	**0.0047J**	mg/L	0.030	0.00073	1	08/16/23 14:27	08/22/23 16:24	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/16/23 14:27	08/22/23 16:24	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/16/23 14:27	08/22/23 16:24	7782-49-2	
Thallium	**0.00024J**	mg/L	0.0010	0.00018	1	08/16/23 14:27	08/22/23 16:24	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/17/23 13:00	08/17/23 18:09	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1460**	mg/L	25.0	25.0	1		08/15/23 16:56		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**170**	mg/L	5.0	5.0	1		08/16/23 15:03		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 15:03		
Alkalinity, Total as CaCO3	**170**	mg/L	5.0	5.0	1		08/16/23 15:03		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**0.032J**	mg/L	0.10	0.022	1		08/15/23 06:28	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**132**	mg/L	10.0	6.0	10		08/16/23 08:05	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-AP2-FD-07 **Lab ID: 92682396014** Collected: 08/09/23 00:00 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		08/15/23 20:16	16984-48-8	
Sulfate	**454**	mg/L	10.0	5.0	10		08/16/23 08:05	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-AP2-FB-07 **Lab ID: 92682396015** Collected: 08/09/23 18:10 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	ND	mg/L	0.040	0.025	1	08/18/23 10:36	08/18/23 20:58	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/18/23 10:36	08/18/23 20:58	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	08/18/23 10:36	08/18/23 20:58	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	08/18/23 10:36	08/18/23 20:58	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	08/18/23 10:36	08/18/23 20:58	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	08/18/23 10:36	08/18/23 20:58	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/16/23 14:27	08/22/23 16:28	7440-36-0	
Arsenic	ND	mg/L	0.010	0.0037	1	08/16/23 14:27	08/22/23 16:28	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/16/23 14:27	08/22/23 16:28	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/16/23 14:27	08/22/23 16:28	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/16/23 14:27	08/23/23 13:11	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/16/23 14:27	08/22/23 16:28	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/16/23 14:27	08/22/23 16:28	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/16/23 14:27	08/22/23 16:28	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/16/23 14:27	08/22/23 16:28	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/16/23 14:27	08/22/23 16:28	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/16/23 14:27	08/22/23 16:28	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/16/23 14:27	08/22/23 16:28	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/16/23 14:27	08/22/23 16:28	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/17/23 13:00	08/17/23 18:20	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/15/23 16:56		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 15:15		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 15:15		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/16/23 15:15		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/15/23 06:28	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/15/23 20:30	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Sample: HAM-AP2-FB-07 **Lab ID: 92682396015** Collected: 08/09/23 18:10 Received: 08/11/23 13:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		08/15/23 20:30	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/15/23 20:30	14808-79-8	

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QUALITY CONTROL DATA

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

QC Batch: 793618
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004, 92682396005, 92682396006, 92682396007, 92682396008, 92682396014, 92682396015

METHOD BLANK: 4112489 Matrix: Water
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004, 92682396005, 92682396006, 92682396007, 92682396008, 92682396014, 92682396015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	08/18/23 19:00	
Iron	mg/L	ND	0.040	0.025	08/18/23 19:00	
Magnesium	mg/L	ND	0.050	0.012	08/18/23 19:00	
Manganese	mg/L	ND	0.040	0.011	08/18/23 19:00	
Potassium	mg/L	ND	0.50	0.15	08/18/23 19:00	
Sodium	mg/L	ND	1.0	0.58	08/18/23 19:00	

LABORATORY CONTROL SAMPLE: 4112490

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.1	108	80-120	
Iron	mg/L	1	1.0	102	80-120	
Magnesium	mg/L	1	1.0	101	80-120	
Manganese	mg/L	1	0.99	99	80-120	
Potassium	mg/L	1	1.1	106	80-120	
Sodium	mg/L	1	1.1	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4112491 4112492

Parameter	Units	92682392001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	8.4	1	1	8.8	9.3	35	92	75-125	6	20	M1
Iron	mg/L	ND	1	1	1.0	1.0	100	100	75-125	0	20	
Magnesium	mg/L	3.4	1	1	4.1	4.3	72	92	75-125	5	20	M1
Manganese	mg/L	ND	1	1	0.98	0.99	97	98	75-125	1	20	
Potassium	mg/L	0.32J	1	1	1.3	1.5	102	113	75-125	8	20	
Sodium	mg/L	9.5	1	1	10	10.5	44	103	75-125	6	20	M1

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QUALITY CONTROL DATA

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

QC Batch: 793883
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004, 92682396005, 92682396006, 92682396007, 92682396008

METHOD BLANK: 4113580 Matrix: Water
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004, 92682396005, 92682396006, 92682396007, 92682396008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.0012	08/18/23 18:03	
Arsenic	mg/L	ND	0.010	0.0037	08/18/23 18:03	
Barium	mg/L	ND	0.0050	0.00067	08/18/23 18:03	
Beryllium	mg/L	ND	0.00050	0.000054	08/18/23 18:03	
Boron	mg/L	ND	0.040	0.0086	08/18/23 18:03	
Cadmium	mg/L	ND	0.00050	0.00011	08/18/23 18:03	
Chromium	mg/L	ND	0.0050	0.0011	08/18/23 18:03	
Cobalt	mg/L	ND	0.0050	0.00039	08/18/23 18:03	
Lead	mg/L	ND	0.0010	0.00012	08/18/23 18:03	
Lithium	mg/L	ND	0.030	0.00073	08/18/23 18:03	
Molybdenum	mg/L	ND	0.010	0.00074	08/18/23 18:03	
Selenium	mg/L	ND	0.0050	0.0014	08/18/23 18:03	
Thallium	mg/L	ND	0.0010	0.00018	08/18/23 18:03	

LABORATORY CONTROL SAMPLE: 4113581

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	103	80-120	
Arsenic	mg/L	0.1	0.10	103	80-120	
Barium	mg/L	0.1	0.094	94	80-120	
Beryllium	mg/L	0.1	0.11	108	80-120	
Boron	mg/L	1	1.1	108	80-120	
Cadmium	mg/L	0.1	0.10	101	80-120	
Chromium	mg/L	0.1	0.10	100	80-120	
Cobalt	mg/L	0.1	0.10	101	80-120	
Lead	mg/L	0.1	0.11	107	80-120	
Lithium	mg/L	0.1	0.11	113	80-120	
Molybdenum	mg/L	0.1	0.10	103	80-120	
Selenium	mg/L	0.1	0.11	107	80-120	
Thallium	mg/L	0.1	0.10	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4113582 4113583

Parameter	Units	92681883002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.11	0.10	105	100	75-125	5	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4113582 4113583

Parameter	Units	92681883002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	ND	0.1	0.1	0.11	0.10	106	100	75-125	6	20	
Barium	mg/L	0.032	0.1	0.1	0.14	0.13	109	103	75-125	4	20	
Beryllium	mg/L	ND	0.1	0.1	0.097	0.092	97	92	75-125	5	20	
Boron	mg/L	0.18	1	1	1.2	1.2	102	98	75-125	3	20	
Cadmium	mg/L	ND	0.1	0.1	0.10	0.098	101	98	75-125	3	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.096	100	95	75-125	4	20	
Cobalt	mg/L	ND	0.1	0.1	0.10	0.096	101	96	75-125	5	20	
Lead	mg/L	ND	0.1	0.1	0.11	0.10	109	104	75-125	5	20	
Lithium	mg/L	ND	0.1	0.1	0.10	0.10	102	100	75-125	2	20	
Molybdenum	mg/L	0.0039J	0.1	0.1	0.11	0.10	102	99	75-125	3	20	
Selenium	mg/L	ND	0.1	0.1	0.11	0.10	110	104	75-125	6	20	
Thallium	mg/L	ND	0.1	0.1	0.11	0.10	108	103	75-125	5	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

QC Batch: 794002
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92682396009, 92682396010, 92682396011, 92682396012, 92682396013, 92682396014, 92682396015

METHOD BLANK: 4114214 Matrix: Water
Associated Lab Samples: 92682396009, 92682396010, 92682396011, 92682396012, 92682396013, 92682396014, 92682396015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	0.0043	0.0030	0.0012	08/22/23 15:04	
Arsenic	mg/L	ND	0.010	0.0037	08/22/23 15:04	
Barium	mg/L	ND	0.0050	0.00067	08/22/23 15:04	
Beryllium	mg/L	ND	0.00050	0.000054	08/22/23 15:04	
Boron	mg/L	ND	0.040	0.0086	08/22/23 15:04	
Cadmium	mg/L	ND	0.00050	0.00011	08/22/23 15:04	
Chromium	mg/L	ND	0.0050	0.0011	08/22/23 15:04	
Cobalt	mg/L	ND	0.0050	0.00039	08/22/23 15:04	
Lead	mg/L	ND	0.0010	0.00012	08/22/23 15:04	
Lithium	mg/L	ND	0.030	0.00073	08/22/23 15:04	
Molybdenum	mg/L	ND	0.010	0.00074	08/22/23 15:04	
Selenium	mg/L	ND	0.0050	0.0014	08/22/23 15:04	
Thallium	mg/L	ND	0.0010	0.00018	08/22/23 15:04	

LABORATORY CONTROL SAMPLE: 4114215

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	112	80-120	
Arsenic	mg/L	0.1	0.10	102	80-120	
Barium	mg/L	0.1	0.10	100	80-120	
Beryllium	mg/L	0.1	0.11	110	80-120	
Boron	mg/L	1	1.1	110	80-120	
Cadmium	mg/L	0.1	0.10	102	80-120	
Chromium	mg/L	0.1	0.11	106	80-120	
Cobalt	mg/L	0.1	0.10	104	80-120	
Lead	mg/L	0.1	0.10	105	80-120	
Lithium	mg/L	0.1	0.11	110	80-120	
Molybdenum	mg/L	0.1	0.11	107	80-120	
Selenium	mg/L	0.1	0.11	105	80-120	
Thallium	mg/L	0.1	0.11	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4114216 4114217

Parameter	Units	92682396010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	0.0014J	0.1	0.1	0.11	0.10	107	101	75-125	6	20	
Arsenic	mg/L	0.0040J	0.1	0.1	0.12	0.11	112	104	75-125	7	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4114216 4114217

Parameter	Units	92682396010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	mg/L	0.042	0.1	0.1	0.16	0.15	118	108	75-125	6	20	
Beryllium	mg/L	0.00071	0.1	0.1	0.090	0.085	89	84	75-125	6	20	
Boron	mg/L	10.1	1	1	10.9	10.7	77	57	75-125	2	20	M1
Cadmium	mg/L	0.00059	0.1	0.1	0.099	0.094	98	94	75-125	5	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.097	104	97	75-125	7	20	
Cobalt	mg/L	0.21	0.1	0.1	0.31	0.29	102	83	75-125	6	20	
Lead	mg/L	0.00013J	0.1	0.1	0.067	0.064	67	64	75-125	5	20	M1
Lithium	mg/L	0.0024J	0.1	0.1	0.097	0.092	95	89	75-125	6	20	
Molybdenum	mg/L	ND	0.1	0.1	0.11	0.10	109	104	75-125	5	20	
Selenium	mg/L	0.013	0.1	0.1	0.13	0.13	122	113	75-125	8	20	
Thallium	mg/L	0.00021J	0.1	0.1	0.069	0.066	68	65	75-125	5	20	M1

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QUALITY CONTROL DATA

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

QC Batch: 793573
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004, 92682396005, 92682396006, 92682396007, 92682396008

METHOD BLANK: 4112218 Matrix: Water
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004, 92682396005, 92682396006, 92682396007, 92682396008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	08/15/23 15:25	

LABORATORY CONTROL SAMPLE: 4112219

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4112220 4112221

Parameter	Units	92681883001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0023	0.0021	88	81	75-125	8	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

QC Batch: 794228
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92682396014, 92682396015

METHOD BLANK: 4115390 Matrix: Water
Associated Lab Samples: 92682396014, 92682396015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	08/17/23 17:06	

LABORATORY CONTROL SAMPLE: 4115391

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4115392 4115393

Parameter	Units	92682396014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0026	0.0024	100	96	75-125	4	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

QC Batch: 793700
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004, 92682396005, 92682396006, 92682396007, 92682396008, 92682396014, 92682396015

METHOD BLANK: 4112841 Matrix: Water
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004, 92682396005, 92682396006, 92682396007, 92682396008, 92682396014, 92682396015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/15/23 16:52	

LABORATORY CONTROL SAMPLE: 4112842

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	446	112	80-120	

SAMPLE DUPLICATE: 4112843

Parameter	Units	92682396001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1890	1910	1	10	

SAMPLE DUPLICATE: 4112844

Parameter	Units	92682397001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	771	760	1	10	

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QUALITY CONTROL DATA

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

QC Batch: 793717 | Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004, 92682396005

METHOD BLANK: 4112919 Matrix: Water
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004, 92682396005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/16/23 12:53	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/16/23 12:53	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/16/23 12:53	

LABORATORY CONTROL SAMPLE: 4112920

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.4	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4112922 4112923

Parameter	Units	92682396004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	ND	50	50	52.3	52.9	98	99	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4112924 4112925

Parameter	Units	92682396005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	ND	50	50	45.8	45.7	89	89	80-120	0	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

QC Batch: 793896 | Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92682396006, 92682396007, 92682396008, 92682396014, 92682396015

METHOD BLANK: 4113632 Matrix: Water
Associated Lab Samples: 92682396006, 92682396007, 92682396008, 92682396014, 92682396015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/16/23 13:58	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/16/23 13:58	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/16/23 13:58	

LABORATORY CONTROL SAMPLE: 4113633

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.1	104	80-120	

LABORATORY CONTROL SAMPLE: 4113634

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	55.0	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4113635 4113636

Parameter	Units	92682175001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	464	50	50	487	487	47	46	80-120	0	25	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4113637 4113638

Parameter	Units	92682175002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	12.5	50	50	65.7	65.4	106	106	80-120	0	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

QC Batch: 793499
QC Batch Method: SM 4500-S2D-2011
Analysis Method: SM 4500-S2D-2011
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004

METHOD BLANK: 4111952 Matrix: Water
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	08/15/23 06:10	

LABORATORY CONTROL SAMPLE: 4111953

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.50	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4111954 4111955

Parameter	Units	92681883001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	0.16	0.5	0.5	0.68	0.59	102	84	80-120	14	10	R1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4111956 4111957

Parameter	Units	92681885005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	0.14	0.5	0.5	0.53	0.60	79	93	80-120	12	10	M1,R1

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QUALITY CONTROL DATA

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

QC Batch: 793500 | Analysis Method: SM 4500-S2D-2011
QC Batch Method: SM 4500-S2D-2011 | Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92682396005, 92682396006, 92682396007, 92682396008, 92682396014, 92682396015

METHOD BLANK: 4111958 Matrix: Water
Associated Lab Samples: 92682396005, 92682396006, 92682396007, 92682396008, 92682396014, 92682396015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	08/15/23 06:24	

LABORATORY CONTROL SAMPLE: 4111959

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.50	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4111960 4111961

Parameter	Units	92682396005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.50	0.45	99	89	80-120	11	10	R1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4111962 4111963

Parameter	Units	92682397007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.53	0.55	104	108	80-120	4	10	

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QUALITY CONTROL DATA

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

QC Batch: 793550
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004, 92682396005, 92682396006, 92682396007, 92682396008, 92682396014, 92682396015

METHOD BLANK: 4112126 Matrix: Water
Associated Lab Samples: 92682396001, 92682396002, 92682396003, 92682396004, 92682396005, 92682396006, 92682396007, 92682396008, 92682396014, 92682396015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/15/23 12:46	
Fluoride	mg/L	ND	0.10	0.050	08/15/23 12:46	
Sulfate	mg/L	ND	1.0	0.50	08/15/23 12:46	

LABORATORY CONTROL SAMPLE: 4112127

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.4	97	90-110	
Fluoride	mg/L	2.5	2.5	98	90-110	
Sulfate	mg/L	50	47.4	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4112128 4112129

Parameter	Units	92682198001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	50	50	48.0	48.3	95	96	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.4	2.4	94	95	90-110	1	10	
Sulfate	mg/L	ND	50	50	47.3	47.6	93	94	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4112130 4112131

Parameter	Units	92682396003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	141	50	50	179	180	77	78	90-110	0	10	M1
Fluoride	mg/L	0.56	2.5	2.5	3.1	3.2	102	104	90-110	2	10	
Sulfate	mg/L	762	50	50	787	789	50	53	90-110	0	10	M1

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QUALIFIERS

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92682396001	**HAM-INW-01**	EPA 3010A	793618	EPA 6010D	794582
92682396002	**HAM-INW-02**	EPA 3010A	793618	EPA 6010D	794582
92682396003	**HAM-PT-01**	EPA 3010A	793618	EPA 6010D	794582
92682396004	**HAM-PT-02**	EPA 3010A	793618	EPA 6010D	794582
92682396005	**HAM-PT-03**	EPA 3010A	793618	EPA 6010D	794582
92682396006	**HAM-PT-04**	EPA 3010A	793618	EPA 6010D	794582
92682396007	**HAM-PT-05**	EPA 3010A	793618	EPA 6010D	794582
92682396008	**HAM-PT-06**	EPA 3010A	793618	EPA 6010D	794582
92682396014	**HAM-AP2-FD-07**	EPA 3010A	793618	EPA 6010D	794582
92682396015	**HAM-AP2-FB-07**	EPA 3010A	793618	EPA 6010D	794582
92682396001	**HAM-INW-01**	EPA 3005A	793883	EPA 6020B	794015
92682396002	**HAM-INW-02**	EPA 3005A	793883	EPA 6020B	794015
92682396003	**HAM-PT-01**	EPA 3005A	793883	EPA 6020B	794015
92682396004	**HAM-PT-02**	EPA 3005A	793883	EPA 6020B	794015
92682396005	**HAM-PT-03**	EPA 3005A	793883	EPA 6020B	794015
92682396006	**HAM-PT-04**	EPA 3005A	793883	EPA 6020B	794015
92682396007	**HAM-PT-05**	EPA 3005A	793883	EPA 6020B	794015
92682396008	**HAM-PT-06**	EPA 3005A	793883	EPA 6020B	794015
92682396009	**HAM-MW-55**	EPA 3005A	794002	EPA 6020B	794064
92682396010	**HAM-MW-56**	EPA 3005A	794002	EPA 6020B	794064
92682396011	**HAM-MW-57**	EPA 3005A	794002	EPA 6020B	794064
92682396012	**HAM-MW-58**	EPA 3005A	794002	EPA 6020B	794064
92682396013	**HAM-MW-59**	EPA 3005A	794002	EPA 6020B	794064
92682396014	**HAM-AP2-FD-07**	EPA 3005A	794002	EPA 6020B	794064
92682396015	**HAM-AP2-FB-07**	EPA 3005A	794002	EPA 6020B	794064
92682396001	**HAM-INW-01**	EPA 7470A	793573	EPA 7470A	793628
92682396002	**HAM-INW-02**	EPA 7470A	793573	EPA 7470A	793628
92682396003	**HAM-PT-01**	EPA 7470A	793573	EPA 7470A	793628
92682396004	**HAM-PT-02**	EPA 7470A	793573	EPA 7470A	793628
92682396005	**HAM-PT-03**	EPA 7470A	793573	EPA 7470A	793628
92682396006	**HAM-PT-04**	EPA 7470A	793573	EPA 7470A	793628
92682396007	**HAM-PT-05**	EPA 7470A	793573	EPA 7470A	793628
92682396008	**HAM-PT-06**	EPA 7470A	793573	EPA 7470A	793628
92682396014	**HAM-AP2-FD-07**	EPA 7470A	794228	EPA 7470A	794260
92682396015	**HAM-AP2-FB-07**	EPA 7470A	794228	EPA 7470A	794260
92682396001	**HAM-INW-01**	SM 2540C-2015	793700		
92682396002	**HAM-INW-02**	SM 2540C-2015	793700		
92682396003	**HAM-PT-01**	SM 2540C-2015	793700		
92682396004	**HAM-PT-02**	SM 2540C-2015	793700		
92682396005	**HAM-PT-03**	SM 2540C-2015	793700		
92682396006	**HAM-PT-04**	SM 2540C-2015	793700		
92682396007	**HAM-PT-05**	SM 2540C-2015	793700		
92682396008	**HAM-PT-06**	SM 2540C-2015	793700		
92682396014	**HAM-AP2-FD-07**	SM 2540C-2015	793700		
92682396015	**HAM-AP2-FB-07**	SM 2540C-2015	793700		
92682396001	**HAM-INW-01**	SM 2320B-2011	793717		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hammond AP-2-(CCR-CA)
Pace Project No.: 92682396

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92682396002	**HAM-INW-02**	SM 2320B-2011	793717		
92682396003	**HAM-PT-01**	SM 2320B-2011	793717		
92682396004	**HAM-PT-02**	SM 2320B-2011	793717		
92682396005	**HAM-PT-03**	SM 2320B-2011	793717		
92682396006	**HAM-PT-04**	SM 2320B-2011	793896		
92682396007	**HAM-PT-05**	SM 2320B-2011	793896		
92682396008	**HAM-PT-06**	SM 2320B-2011	793896		
92682396014	**HAM-AP2-FD-07**	SM 2320B-2011	793896		
92682396015	**HAM-AP2-FB-07**	SM 2320B-2011	793896		
92682396001	**HAM-INW-01**	SM 4500-S2D-2011	793499		
92682396002	**HAM-INW-02**	SM 4500-S2D-2011	793499		
92682396003	**HAM-PT-01**	SM 4500-S2D-2011	793499		
92682396004	**HAM-PT-02**	SM 4500-S2D-2011	793499		
92682396005	**HAM-PT-03**	SM 4500-S2D-2011	793500		
92682396006	**HAM-PT-04**	SM 4500-S2D-2011	793500		
92682396007	**HAM-PT-05**	SM 4500-S2D-2011	793500		
92682396008	**HAM-PT-06**	SM 4500-S2D-2011	793500		
92682396014	**HAM-AP2-FD-07**	SM 4500-S2D-2011	793500		
92682396015	**HAM-AP2-FB-07**	SM 4500-S2D-2011	793500		
92682396001	**HAM-INW-01**	EPA 300.0 Rev 2.1 1993	793550		
92682396002	**HAM-INW-02**	EPA 300.0 Rev 2.1 1993	793550		
92682396003	**HAM-PT-01**	EPA 300.0 Rev 2.1 1993	793550		
92682396004	**HAM-PT-02**	EPA 300.0 Rev 2.1 1993	793550		
92682396005	**HAM-PT-03**	EPA 300.0 Rev 2.1 1993	793550		
92682396006	**HAM-PT-04**	EPA 300.0 Rev 2.1 1993	793550		
92682396007	**HAM-PT-05**	EPA 300.0 Rev 2.1 1993	793550		
92682396008	**HAM-PT-06**	EPA 300.0 Rev 2.1 1993	793550		
92682396014	**HAM-AP2-FD-07**	EPA 300.0 Rev 2.1 1993	793550		
92682396015	**HAM-AP2-FB-07**	EPA 300.0 Rev 2.1 1993	793550		

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

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

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO# : 92682396

92682396

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

Custody Seal Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☐ No

Date/Initials Person Examining Contents: 8/11/23 TH

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☐ N/A

Thermometer: ☑ IR Gun ID: 230

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.1 **Correction Factor:** Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 3.1

Temp should be above freezing to 6°C

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

USDA Regulated Soil (☐ N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: **Date:**

Project Manager SRF Review: **Date:**

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

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

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

*****Check all unpreserved Nitrates for chlorine**

Project # **WO# : 92682396**

PM: BV Due Date: 08/25/23

CLIENT: 92- GP-HAM

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

pH Adjustment Log for Preserved Samples

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

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

WO#: 92682396

PM: BV Due Date: 08/25/23

CLIENT: 92- GP-HAM

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

Project #

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

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

***Check all unpreserved Nitrates for chlorine

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

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

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Pace Analytical
www.pacelabs.com

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:	GA Power
Address:	Atlanta, GA
Email To:	SCS Contacts
Phone:	Fax:
Requested Due Date/TAT:	10 Day

Section B Required Project Information:

Report To:	SCS Contacts
Copy To:	Geosyntec Contacts
Purchase Order No.:	
Project Name:	Hammond AP-2
Project Number:	

Section C Invoice Information:

Attention:	Southern Co.
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Bonnie Vang
Pace Profile #:	10839

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Chloride, Fluoride, Sulfate	Full App. III and IV metals	Major Ions (Profile 10839-2)	TDS	Boron and Cobalt	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																		Requested Analysis Filtered (Y/N)	N	N	N	N	N		92682396
1	HAM-INW-01	WG	G	8/9/2023	1336			24	5	3		1					1		X	X	X	X		N	001
2	HAM-INW-02	WG	G	8/9/2023	1310			21	5	3		1					1		X	X	X	X		N	002
3	HAM-PT-01	WG	G	8/9/2023	1213			21	5	3		1					1		X	X	X	X		N	003
4	HAM-PT-02	WG	G	8/9/2023	1423			22	5	3		1					1		X	X	X	X		N	004
5	HAM-PT-03	WG	G	8/9/2023	1047			20	5	3		1					1		X	X	X	X		N	005
6	HAM-PT-04	WG	G	8/9/2023	1422			21	5	3		1					1		X	X	X	X		N	006
7	HAM-PT-05	WG	G	8/9/2023	1739			22	5	3		1					1		X	X	X	X		N	007
8	HAM-PT-06	WG	G	8/9/2023	1548			21	5	3		1					1		X	X	X	X		N	008
9	HAM-MW-55	WG	G	8/9/2023	1822			24	1			1											X	N	009
10	HAM-MW-56	WG	G	8/9/2023	1651			22	1			1											X	N	010
11	HAM-MW-57	WG	G	8/9/2023	1228	TK 8/9/2023		20	1			1											X	N	011
12	HAM-MW-58	WG	G	8/9/2023	1034			19	1			1											X	N	012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Task Code: HAM-CCR-CA-20230809	Anthony Garrett / Geosyntec	8/11/2023	1312	Ryan William / Pace	8/11/2023	1312	
	Ryan William / Pace	8/11/2023	1535		8/11/23	1537	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Anthony Garrett, Thomas Kenter, Conner Cain / Geosyntec Consultants, Inc

SIGNATURE of SAMPLER: Anthony Garrett, Thomas Kenter, Conner Cain — DATE Signed (MM/DD/YY): 08/09/2023

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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Project Name:	Hammond AP-2
Project Number:	

Section C Invoice Information:

Attention:	Southern Co.
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Bonnie Vang
Pace Profile #:	10839

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☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER ~~CCR~~

Site Location STATE: GA

Section D Required Client Information

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WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Chloride, Fluoride, Sulfate	Full App. III and IV metals	Major Ions (Profile 10839-2)	TDS	Boron and Cobalt	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																		N	N	N	N	N			92682396
1	HAM-MW-59	WG	G	8/9/2023	1651			22	1			1										X			013
2	HAM-AP2-FD-07	WG	G	8/9/2023	0000			21	5	3		1					1		X	X	X	X		N	014
3	HAM-AP2-FB-07	WQ	G	8/9/2023	1810	TK 8/9/2023		21	5	3		1					1		X	X	X	X		N	015
4																								N	Last Sample
5																									
6																									
7																									
8																									
9																									
10						TK 8/9/2023																			
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Task Code: HAM-CCR-CA-20230809	Anthony Samuel / Geosyntec	8/11/2023	1312	Ryan William / Pace	8/11/2023	1312	
	Ryan William / Pace	8/11/2023	1536	Charles Hinds	8/11/23	1537	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Anthony Samuel, Consultant / Geosyntec Consultants, Inc

SIGNATURE of SAMPLER: Anthony Samuel, Consultant DATE Signed (MM/DD/YY): 08/09/2023

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Field Sampling Forms

Low-Flow Test Report:

Test Date / Time: 7/19/2023 8:36:29 AM
Project: GW6581
Operator Name: Alana Neely

Location Name: INW-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 11.2 ft** **Total Depth: 21.2 ft** **Initial Depth to Water: 9.95 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 16.2 ft** **Estimated Total Volume Pumped: 7457.5 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 1.15 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884187**

Test Notes:
Five bottles: Full App III and IV and Geochem

Weather Conditions:
63-93 deg F cloudy

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
7/19/2023 8:36 AM	00:00	5.03 pH	21.06 °C	2,119.7 µS/cm	2.57 mg/L	2.98 NTU	200.2 mV	10.80 ft	150.00 ml/min
7/19/2023 8:40 AM	04:00	5.03 pH	20.28 °C	2,085.9 µS/cm	2.60 mg/L		213.0 mV	10.80 ft	150.00 ml/min
7/19/2023 8:41 AM	04:35	5.05 pH	20.26 °C	2,090.5 µS/cm	2.59 mg/L		211.1 mV	10.80 ft	150.00 ml/min
7/19/2023 8:41 AM	04:43	5.05 pH	20.25 °C	2,089.5 µS/cm	2.58 mg/L	3.26 NTU	212.4 mV	11.10 ft	150.00 ml/min
7/19/2023 8:46 AM	09:43	5.12 pH	20.24 °C	2,100.0 µS/cm	2.40 mg/L	3.70 NTU	153.1 mV	11.10 ft	150.00 ml/min
7/19/2023 8:51 AM	14:43	5.17 pH	20.31 °C	2,113.1 µS/cm	2.01 mg/L	2.25 NTU	187.8 mV	11.10 ft	150.00 ml/min
7/19/2023 8:56 AM	19:43	5.18 pH	20.70 °C	2,167.7 µS/cm	1.01 mg/L	2.24 NTU	135.2 mV	11.10 ft	150.00 ml/min
7/19/2023 9:01 AM	24:43	5.16 pH	20.51 °C	2,191.8 µS/cm	0.66 mg/L	2.56 NTU	107.1 mV	11.10 ft	150.00 ml/min
7/19/2023 9:06 AM	29:43	5.14 pH	20.53 °C	2,215.4 µS/cm	0.67 mg/L	2.81 NTU	85.6 mV	11.10 ft	150.00 ml/min
7/19/2023 9:11 AM	34:43	5.13 pH	20.60 °C	2,245.1 µS/cm	0.38 mg/L	2.02 NTU	76.3 mV	11.10 ft	150.00 ml/min
7/19/2023 9:16 AM	39:43	5.14 pH	20.50 °C	2,265.2 µS/cm	0.51 mg/L	2.36 NTU	60.6 mV	11.10 ft	150.00 ml/min
7/19/2023 9:21 AM	44:43	5.16 pH	20.44 °C	2,275.3 µS/cm	0.60 mg/L	2.24 NTU	51.3 mV	11.10 ft	150.00 ml/min
7/19/2023 9:26 AM	49:43	5.18 pH	20.49 °C	2,297.3 µS/cm	0.51 mg/L	3.05 NTU	37.1 mV	11.10 ft	150.00 ml/min

Samples

Sample ID:	Description:
HAM-INW-01	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/14/2023 2:27:39 PM
Project: GW6581
Operator Name: Alana Neely

Location Name: INW-02 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 28 ft** **Total Depth: 38 ft** **Initial Depth to Water: 14.5 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 33 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884187**

Test Notes:
Five bottles: Full App III and IV and Geochem
Weather Conditions:
73-93 deg F; cloudy

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
7/14/2023 2:27 PM	00:00	6.32 pH	23.17 °C	1,741.8 µS/cm	0.18 mg/L	1.48 NTU	-61.8 mV	14.60 ft	200.00 ml/min
7/14/2023 2:32 PM	05:00	6.31 pH	22.78 °C	1,728.3 µS/cm	0.13 mg/L	1.82 NTU	-57.8 mV	14.60 ft	200.00 ml/min
7/14/2023 2:37 PM	10:00	6.30 pH	22.65 °C	1,720.3 µS/cm	0.11 mg/L	2.02 NTU	-61.8 mV	14.60 ft	200.00 ml/min
7/14/2023 2:42 PM	15:00	6.29 pH	22.45 °C	1,721.0 µS/cm	0.09 mg/L	1.98 NTU	-60.0 mV	14.60 ft	200.00 ml/min
7/14/2023 2:47 PM	20:00	6.28 pH	22.60 °C	1,717.1 µS/cm	0.08 mg/L	1.45 NTU	-52.7 mV	14.60 ft	200.00 ml/min
7/14/2023 2:52 PM	25:00	6.27 pH	22.77 °C	1,711.0 µS/cm	0.08 mg/L	1.44 NTU	-52.1 mV	14.60 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-INW-02	Grab.
HAM-AP2-FD-01	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/18/2023 12:54:24 PM
Project: GW6581
Operator Name: Alana Neely

Location Name: PT-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 11.2 ft** **Total Depth: 21.2 ft** **Initial Depth to Water: 10.2 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 16.2 ft** **Estimated Total Volume Pumped: 3750 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.2 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884187**

Test Notes:
Five bottles: Full App III and IV and Geochem
Weather Conditions:
63-93 deg F Sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.4	
7/18/2023 12:54 PM	00:00	4.66 pH	24.25 °C	1,950.9 µS/cm	1.50 mg/L	3.97 NTU	129.9 mV	10.40 ft	150.00 ml/min
7/18/2023 12:59 PM	05:00	4.63 pH	22.68 °C	1,946.7 µS/cm	0.66 mg/L	3.32 NTU	129.0 mV	10.40 ft	150.00 ml/min
7/18/2023 1:04 PM	10:00	4.63 pH	22.41 °C	1,951.2 µS/cm	0.50 mg/L	3.59 NTU	160.9 mV	10.40 ft	150.00 ml/min
7/18/2023 1:09 PM	15:00	4.64 pH	22.20 °C	1,946.9 µS/cm	0.49 mg/L	3.49 NTU	129.7 mV	10.40 ft	150.00 ml/min
7/18/2023 1:14 PM	20:00	4.62 pH	21.83 °C	1,955.0 µS/cm	0.47 mg/L	3.29 NTU	166.8 mV	10.40 ft	150.00 ml/min
7/18/2023 1:19 PM	25:00	4.63 pH	22.09 °C	1,953.8 µS/cm	0.46 mg/L	3.21 NTU	131.8 mV	10.40 ft	150.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-01	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/18/2023 2:04:10 PM
Project: GW6581
Operator Name: Alana Neely

Location Name: PT-02 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 10.8 ft** **Total Depth: 20.8 ft** **Initial Depth to Water: 10.1 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 15.8 ft** **Estimated Total Volume Pumped: 13176.667 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884187**

Test Notes:
Five bottles: Full App III and IV and Geochem
Weather Conditions:
63-93 deg F Sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
7/18/2023 2:04 PM	00:00	5.04 pH	27.82 °C	1,893.0 µS/cm	3.95 mg/L	3.88 NTU	146.0 mV	10.20 ft	100.00 ml/min
7/18/2023 2:49 PM	44:54	5.03 pH	36.70 °C	1,803.5 µS/cm	5.29 mg/L	3.91 NTU	159.3 mV	10.20 ft	100.00 ml/min
7/18/2023 2:54 PM	50:00	5.00 pH	26.89 °C	2,018.8 µS/cm	2.36 mg/L	4.68 NTU	148.6 mV	10.20 ft	100.00 ml/min
7/18/2023 2:59 PM	55:00	4.96 pH	30.07 °C	2,077.6 µS/cm	2.20 mg/L	4.90 NTU	125.0 mV	10.20 ft	100.00 ml/min
7/18/2023 3:04 PM	01:00:00	4.94 pH	32.38 °C	2,092.0 µS/cm	3.96 mg/L	3.74 NTU	120.1 mV	10.20 ft	100.00 ml/min
7/18/2023 3:55 PM	01:51:46	5.06 pH	33.37 °C	1,792.6 µS/cm	2.79 mg/L	3.83 NTU	147.8 mV	10.20 ft	100.00 ml/min
7/18/2023 4:00 PM	01:56:46	5.02 pH	30.24 °C	2,100.3 µS/cm	2.07 mg/L	4.50 NTU	127.3 mV	10.20 ft	100.00 ml/min
7/18/2023 4:05 PM	02:01:46	5.05 pH	28.02 °C	2,164.0 µS/cm	1.03 mg/L	4.43 NTU	151.1 mV	10.20 ft	100.00 ml/min
7/18/2023 4:10 PM	02:06:46	4.98 pH	30.39 °C	2,158.2 µS/cm	0.93 mg/L	4.31 NTU	150.3 mV	10.20 ft	100.00 ml/min
7/18/2023 4:15 PM	02:11:46	4.97 pH	31.50 °C	2,156.2 µS/cm	0.99 mg/L	3.98 NTU	148.3 mV	10.20 ft	100.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-02	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/18/2023 12:03:35 PM
Project: GW6581
Operator Name: Alana Neely

Location Name: PT-03 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 11.1 ft** **Total Depth: 21.1 ft** **Initial Depth to Water: 10.2 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 16.1 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884187**

Test Notes:
Five bottles: Full App III and IV and Geochem
Weather Conditions:
63-93 deg F Sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
7/18/2023 12:03 PM	00:00	4.58 pH	23.50 °C	1,955.5 µS/cm	0.62 mg/L	3.35 NTU	186.7 mV	10.30 ft	200.00 ml/min
7/18/2023 12:08 PM	05:00	4.59 pH	21.63 °C	2,005.4 µS/cm	0.23 mg/L	3.59 NTU	202.5 mV	10.30 ft	200.00 ml/min
7/18/2023 12:13 PM	10:00	4.63 pH	21.34 °C	2,019.4 µS/cm	0.17 mg/L	3.29 NTU	118.8 mV	10.30 ft	200.00 ml/min
7/18/2023 12:18 PM	15:00	4.64 pH	21.04 °C	2,020.2 µS/cm	0.13 mg/L	4.73 NTU	127.6 mV	10.30 ft	200.00 ml/min
7/18/2023 12:23 PM	20:00	4.63 pH	20.85 °C	2,041.4 µS/cm	0.12 mg/L	3.92 NTU	98.4 mV	10.30 ft	200.00 ml/min
7/18/2023 12:28 PM	25:00	4.64 pH	21.13 °C	2,031.4 µS/cm	0.11 mg/L	3.74 NTU	110.2 mV	10.30 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-03	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/14/2023 1:33:06 PM
Project: GW6581
Operator Name: Alana Neely

Location Name: PT-04 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 25.9 ft** **Total Depth: 35.9 ft** **Initial Depth to Water: 14.1 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 30.9 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884187**

Test Notes:
Five bottles: Full App III and IV and Geochem
Weather Conditions:
73-93 deg F; cloudy

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
7/14/2023 1:33 PM	00:00	6.28 pH	29.98 °C	2.06 µS/cm	7.62 mg/L	7.81 NTU	3.3 mV	14.20 ft	200.00 ml/min
7/14/2023 1:38 PM	05:00	6.31 pH	22.77 °C	1,710.6 µS/cm	0.15 mg/L	6.27 NTU	-48.3 mV	14.20 ft	200.00 ml/min
7/14/2023 1:43 PM	10:00	6.31 pH	21.60 °C	1,734.3 µS/cm	0.12 mg/L	4.05 NTU	-54.8 mV	14.20 ft	200.00 ml/min
7/14/2023 1:48 PM	15:00	6.30 pH	21.50 °C	1,735.7 µS/cm	0.11 mg/L	3.95 NTU	-65.1 mV	14.20 ft	200.00 ml/min
7/14/2023 1:53 PM	20:00	6.30 pH	21.91 °C	1,724.9 µS/cm	0.10 mg/L	3.40 NTU	-67.8 mV	14.20 ft	200.00 ml/min
7/14/2023 1:58 PM	25:00	6.30 pH	21.83 °C	1,714.9 µS/cm	0.08 mg/L	2.84 NTU	-70.5 mV	14.20 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-04	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/14/2023 11:30:00 AM
Project: GW6581
Operator Name: Alana Neely

Location Name: PT-05 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 26 ft** **Total Depth: 36 ft** **Initial Depth to Water: 14.4 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 31 ft** **Estimated Total Volume Pumped: 17073.334 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884187**

Test Notes:
Five bottles: Full App III and IV and Geochem

Weather Conditions:
73-93 deg F; sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
7/14/2023 11:30 AM	00:00	6.16 pH	22.55 °C	1,727.9 µS/cm	0.21 mg/L	14.80 NTU	17.8 mV	14.50 ft	200.00 ml/min
7/14/2023 11:35 AM	05:00	6.16 pH	22.74 °C	1,721.7 µS/cm	0.15 mg/L	13.30 NTU	16.2 mV	14.50 ft	200.00 ml/min
7/14/2023 11:40 AM	10:00	6.16 pH	22.41 °C	1,717.0 µS/cm	0.12 mg/L	12.60 NTU	16.1 mV	14.50 ft	200.00 ml/min
7/14/2023 11:45 AM	15:22	6.15 pH	22.10 °C	1,723.2 µS/cm	0.11 mg/L	13.20 NTU	13.2 mV	14.50 ft	200.00 ml/min
7/14/2023 11:50 AM	20:22	6.16 pH	22.36 °C	1,711.5 µS/cm	0.09 mg/L	11.40 NTU	10.2 mV	14.50 ft	200.00 ml/min
7/14/2023 11:55 AM	25:22	6.16 pH	21.92 °C	1,714.2 µS/cm	0.08 mg/L	11.20 NTU	11.4 mV	14.50 ft	200.00 ml/min
7/14/2023 12:00 PM	30:22	6.15 pH	21.96 °C	1,739.4 µS/cm	0.09 mg/L	12.20 NTU	5.8 mV	14.50 ft	200.00 ml/min
7/14/2023 12:05 PM	35:22	6.14 pH	22.02 °C	1,733.2 µS/cm	0.09 mg/L	13.16 NTU	5.6 mV	14.50 ft	200.00 ml/min
7/14/2023 12:10 PM	40:22	6.14 pH	22.85 °C	1,739.9 µS/cm	0.10 mg/L	12.85 NTU	6.7 mV	14.50 ft	200.00 ml/min
7/14/2023 12:15 PM	45:22	6.14 pH	23.40 °C	1,723.0 µS/cm	0.11 mg/L	12.20 NTU	6.3 mV	14.50 ft	200.00 ml/min
7/14/2023 12:20 PM	50:22	6.14 pH	23.22 °C	1,723.9 µS/cm	0.11 mg/L	11.30 NTU	1.9 mV	14.50 ft	200.00 ml/min
7/14/2023 12:25 PM	55:22	6.14 pH	22.88 °C	1,722.2 µS/cm	0.10 mg/L	9.51 NTU	5.9 mV	14.50 ft	200.00 ml/min
7/14/2023 12:30 PM	01:00:22	6.14 pH	22.81 °C	1,721.5 µS/cm	0.10 mg/L	7.56 NTU	5.3 mV	14.50 ft	200.00 ml/min

7/14/2023 12:35 PM	01:05:22	6.13 pH	22.86 °C	1,743.7 µS/cm	0.10 mg/L	6.63 NTU	3.0 mV	14.50 ft	200.00 ml/min
7/14/2023 12:40 PM	01:10:22	6.13 pH	23.08 °C	1,729.3 µS/cm	0.09 mg/L	6.08 NTU	1.8 mV	14.50 ft	200.00 ml/min
7/14/2023 12:45 PM	01:15:22	6.13 pH	22.80 °C	1,723.1 µS/cm	0.09 mg/L	5.66 NTU	6.4 mV	14.50 ft	200.00 ml/min
7/14/2023 12:50 PM	01:20:22	6.13 pH	22.95 °C	1,729.5 µS/cm	0.09 mg/L	5.40 NTU	3.9 mV	14.50 ft	200.00 ml/min
7/14/2023 12:55 PM	01:25:22	6.13 pH	23.73 °C	1,726.7 µS/cm	0.09 mg/L	4.76 NTU	7.9 mV	14.50 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-05	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/14/2023 10:35:28 AM
Project: GW6581
Operator Name: Alana Neely

Location Name: PT-06 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 26.3 ft** **Total Depth: 36.3 ft** **Initial Depth to Water: 14.2 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 31.3 ft** **Estimated Total Volume Pumped: 5343.333 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884187**

Test Notes:
Five bottles: Full App III and IV and Geochem
Weather Conditions:
73-93 deg F; cloudy

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
7/14/2023 10:35 AM	00:00	6.09 pH	23.98 °C	1,670.5 µS/cm	0.37 mg/L	19.70 NTU	-17.9 mV	14.30 ft	200.00 ml/min
7/14/2023 10:40 AM	05:00	6.09 pH	23.13 °C	1,686.7 µS/cm	0.21 mg/L	9.67 NTU	-25.2 mV	14.30 ft	200.00 ml/min
7/14/2023 10:45 AM	10:00	6.09 pH	23.36 °C	1,683.9 µS/cm	0.16 mg/L	7.09 NTU	-24.5 mV	14.30 ft	200.00 ml/min
7/14/2023 10:50 AM	15:00	6.10 pH	22.99 °C	1,685.0 µS/cm	0.13 mg/L	4.11 NTU	-21.2 mV	14.30 ft	200.00 ml/min
7/14/2023 10:55 AM	20:00	6.09 pH	22.69 °C	1,682.4 µS/cm	0.12 mg/L	3.64 NTU	-20.1 mV	14.30 ft	200.00 ml/min
7/14/2023 11:00 AM	25:00	6.09 pH	22.95 °C	1,683.0 µS/cm	0.10 mg/L	2.77 NTU	-19.2 mV	14.30 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-06	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/9/2023 1:01:23 PM
Project: GP-Plant Hammond
Operator Name: C. Cain

Location Name: INW-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 13.4 ft Total Depth: 23.5 ft** **Initial Depth to Water: 9.98 ft**	**Pump Type: peri** **Tubing Type: Poly** **Pump Intake From TOC: 18.5 ft** **Estimated Total Volume Pumped: 3 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.72 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883553**

Test Notes:
5 bottles: Baseline Sampling and Major Ions

Weather Conditions:
Sunny, 76 Degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/9/2023 1:01 PM	00:00	5.77 pH	23.81 °C	2,157.3 µS/cm	0.94 mg/L	2.01 NTU	-61.4 mV	10.70 ft	100.00 ml/min
8/9/2023 1:06 PM	05:00	5.87 pH	23.18 °C	2,141.3 µS/cm	0.47 mg/L	1.88 NTU	-105.9 mV	10.70 ft	100.00 ml/min
8/9/2023 1:11 PM	10:00	5.81 pH	23.29 °C	2,117.7 µS/cm	0.32 mg/L	1.62 NTU	-52.0 mV	10.70 ft	100.00 ml/min
8/9/2023 1:16 PM	15:00	5.84 pH	23.35 °C	2,140.0 µS/cm	0.27 mg/L	0.82 NTU	-59.1 mV	10.70 ft	100.00 ml/min
8/9/2023 1:21 PM	20:00	5.84 pH	23.40 °C	2,150.6 µS/cm	0.24 mg/L	0.52 NTU	-57.5 mV	10.70 ft	100.00 ml/min
8/9/2023 1:26 PM	25:00	5.86 pH	23.67 °C	2,178.8 µS/cm	0.22 mg/L	0.47 NTU	-60.8 mV	10.70 ft	100.00 ml/min
8/9/2023 1:31 PM	30:00	5.80 pH	23.92 °C	2,169.4 µS/cm	0.21 mg/L	0.42 NTU	-51.9 mV	10.70 ft	100.00 ml/min

Samples

Sample ID:	Description:
HAM-INW-01	Grab.

Low-Flow Test Report:

Test Date / Time: 8/9/2023 12:35:14 PM
Project: GP-Plant Hammond
Operator Name: Anthony Szwast

Location Name: INW-02 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 25.16 ft** **Total Depth: 25.16 ft** **Initial Depth to Water: 14.81 m**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 30.16 ft** **Estimated Total Volume Pumped: 7.6 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.07 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883530**

Test Notes:
5 bottles: Baseline Sampling and Major Ions

Weather Conditions:
Partly cloudy, 75 Degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
8/9/2023 12:35 PM	00:00	6.41 pH	21.34 °C	1,672.5 µS/cm	0.17 mg/L	0.42 NTU	-73.5 mV	14.84 ft	200.00 ml/min
8/9/2023 12:40 PM	05:00	6.42 pH	20.80 °C	1,667.8 µS/cm	0.13 mg/L	0.00 NTU	-8.6 mV	14.87 ft	200.00 ml/min
8/9/2023 12:45 PM	10:00	6.42 pH	20.79 °C	1,668.5 µS/cm	0.09 mg/L	0.00 NTU	3.0 mV	14.87 ft	200.00 ml/min
8/9/2023 12:50 PM	15:00	6.41 pH	21.06 °C	1,660.0 µS/cm	0.07 mg/L	0.00 NTU	2.9 mV	14.87 ft	200.00 ml/min
8/9/2023 12:55 PM	20:00	6.41 pH	21.05 °C	1,645.2 µS/cm	0.06 mg/L	0.00 NTU	18.6 mV	14.87 ft	200.00 ml/min
8/9/2023 1:00 PM	25:00	6.41 pH	21.06 °C	1,648.3 µS/cm	0.07 mg/L	0.00 NTU	23.1 mV	14.88 ft	200.00 ml/min
8/9/2023 1:05 PM	30:00	6.41 pH	21.02 °C	1,639.6 µS/cm	0.06 mg/L	0.00 NTU	26.3 mV	14.88 ft	200.00 ml/min

Samples

Sample ID:	Description:
INW-02	Grab.

Low-Flow Test Report:

Test Date / Time: 8/9/2023 11:28:35 AM
Project: GP-Plant Hammond
Operator Name: C. Cain

Location Name: PT-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 13.49 ft** **Total Depth: 23.49 ft** **Initial Depth to Water: 10.22 ft**	**Pump Type: peri** **Tubing Type: Poly** **Pump Intake From TOC: 18.49 ft** **Estimated Total Volume Pumped: 4 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.27 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883553**

Test Notes:
Five bottles: Baseline Sampling and Major Ions

Weather Conditions:
Sunny, 75 Degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/9/2023 11:28 AM	00:00	5.02 pH	22.23 °C	1,975.0 µS/cm	1.42 mg/L	10.82 NTU	122.1 mV	10.42 ft	100.00 ml/min
8/9/2023 11:33 AM	05:00	4.96 pH	21.11 °C	1,981.6 µS/cm	1.76 mg/L	10.29 NTU	74.7 mV	10.47 ft	100.00 ml/min
8/9/2023 11:38 AM	10:00	4.94 pH	20.74 °C	1,980.7 µS/cm	1.66 mg/L	8.50 NTU	89.4 mV	10.49 ft	100.00 ml/min
8/9/2023 11:43 AM	15:00	4.90 pH	20.84 °C	1,968.5 µS/cm	1.41 mg/L	9.03 NTU	88.6 mV	10.49 ft	100.00 ml/min
8/9/2023 11:48 AM	20:00	4.83 pH	21.06 °C	1,952.0 µS/cm	1.51 mg/L	3.92 NTU	87.6 mV	10.49 ft	100.00 ml/min
8/9/2023 11:53 AM	25:00	4.81 pH	21.15 °C	1,947.9 µS/cm	0.50 mg/L	4.52 NTU	88.6 mV	10.49 ft	100.00 ml/min
8/9/2023 11:58 AM	30:00	4.79 pH	21.00 °C	1,951.6 µS/cm	0.28 mg/L	2.73 NTU	90.8 mV	10.49 ft	100.00 ml/min
8/9/2023 12:03 PM	35:00	4.79 pH	20.93 °C	1,948.9 µS/cm	0.27 mg/L	3.25 NTU	65.7 mV	10.49 ft	100.00 ml/min
8/9/2023 12:08 PM	40:00	4.76 pH	21.01 °C	1,959.0 µS/cm	0.26 mg/L	0.89 NTU	91.2 mV	10.49 ft	100.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-01	Grab.

Low-Flow Test Report:

Test Date / Time: 8/9/2023 1:50:05 PM
Project: GP-Plant Hammond
Operator Name: Thomas Kessler

Location Name: PT-02 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 13.4 ft** **Total Depth: 23.4 ft** **Initial Depth to Water: 10.15 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 18.4 ft** **Estimated Total Volume Pumped: 4.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.51 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Five bottles: Baseline Sampling and Major Ions

Weather Conditions:
Sunny, 85 Degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/9/2023 1:50 PM	00:00	5.23 pH	24.66 °C	2,089.6 µS/cm	0.47 mg/L	1.09 NTU	79.8 mV	10.55 ft	100.00 ml/min
8/9/2023 1:55 PM	05:00	5.26 pH	23.07 °C	2,097.7 µS/cm	0.32 mg/L	1.55 NTU	65.3 mV	10.57 ft	100.00 ml/min
8/9/2023 2:00 PM	10:00	5.19 pH	22.97 °C	2,034.6 µS/cm	0.31 mg/L	0.61 NTU	49.1 mV	10.58 ft	100.00 ml/min
8/9/2023 2:05 PM	15:00	5.16 pH	22.60 °C	2,011.2 µS/cm	0.27 mg/L	0.13 NTU	60.3 mV	10.60 ft	100.00 ml/min
8/9/2023 2:10 PM	20:00	5.13 pH	22.21 °C	2,009.5 µS/cm	0.26 mg/L	0.14 NTU	53.8 mV	10.62 ft	100.00 ml/min
8/9/2023 2:15 PM	25:00	5.09 pH	21.74 °C	2,010.1 µS/cm	0.27 mg/L	0.28 NTU	56.1 mV	10.64 ft	100.00 ml/min
8/9/2023 2:20 PM	30:00	5.06 pH	21.81 °C	1,992.8 µS/cm	0.22 mg/L	0.40 NTU	73.6 mV	10.66 ft	100.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-02	Grab.

Low-Flow Test Report:

Test Date / Time: 8/9/2023 10:02:17 AM
Project: GP-Plant Hammond
Operator Name: C. Cain

Location Name: PT-03 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 10.4 ft** **Total Depth: 23.62 ft** **Initial Depth to Water: 10.23 ft**	**Pump Type: peri** **Tubing Type: Poly** **Pump Intake From TOC: 15.4 ft** **Estimated Total Volume Pumped: 4 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.07 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883553**

Test Notes:
Five bottles: Baseline Sampling and Major Ions

Weather Conditions:
Cloudy, 75 Degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/9/2023 10:02 AM	00:00	4.65 pH	20.88 °C	1,880.2 µS/cm	0.75 mg/L	0.90 NTU	178.3 mV	10.30 ft	100.00 ml/min
8/9/2023 10:07 AM	05:00	4.67 pH	20.86 °C	1,919.5 µS/cm	0.46 mg/L	0.87 NTU	128.4 mV	10.30 ft	100.00 ml/min
8/9/2023 10:12 AM	10:00	4.69 pH	20.78 °C	1,933.4 µS/cm	1.58 mg/L	0.63 NTU	112.6 mV	10.30 ft	100.00 ml/min
8/9/2023 10:17 AM	15:00	4.73 pH	20.75 °C	1,945.4 µS/cm	1.57 mg/L	0.72 NTU	152.3 mV	10.30 ft	100.00 ml/min
8/9/2023 10:22 AM	20:00	4.77 pH	20.74 °C	1,945.7 µS/cm	1.51 mg/L	0.67 NTU	94.0 mV	10.30 ft	100.00 ml/min
8/9/2023 10:27 AM	25:00	4.79 pH	20.63 °C	1,950.0 µS/cm	0.48 mg/L	0.64 NTU	107.4 mV	10.30 ft	100.00 ml/min
8/9/2023 10:32 AM	30:00	4.78 pH	20.62 °C	1,954.6 µS/cm	0.26 mg/L	0.68 NTU	97.0 mV	10.30 ft	100.00 ml/min
8/9/2023 10:37 AM	35:00	4.81 pH	20.52 °C	1,951.1 µS/cm	0.24 mg/L	0.61 NTU	58.4 mV	10.30 ft	100.00 ml/min
8/9/2023 10:42 AM	40:00	4.80 pH	20.48 °C	1,953.0 µS/cm	0.23 mg/L	0.70 NTU	54.5 mV	10.30 ft	100.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-03	Grab.

Low-Flow Test Report:

Test Date / Time: 8/9/2023 1:52:17 PM
Project: GP-Plant Hammond
Operator Name: Anthony Szwast

Location Name: PT-04 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 24.07 ft** **Total Depth: 34.07 ft** **Initial Depth to Water: 14.54 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 29.07 ft** **Estimated Total Volume Pumped: 6 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883530**

Test Notes:
Five bottles: Baseline Sampling and Major Ions

Weather Conditions:
Partly cloudy, 75 Degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
8/9/2023 1:52 PM	00:00	6.46 pH	22.05 °C	1,661.2 µS/cm	0.16 mg/L	12.00 NTU	-29.5 mV	14.59 ft	200.00 ml/min
8/9/2023 1:57 PM	05:00	6.42 pH	21.47 °C	1,663.2 µS/cm	0.11 mg/L	11.20 NTU	9.5 mV	14.59 ft	200.00 ml/min
8/9/2023 2:02 PM	10:00	6.42 pH	21.68 °C	1,652.3 µS/cm	0.09 mg/L	7.82 NTU	12.0 mV	14.59 ft	200.00 ml/min
8/9/2023 2:07 PM	15:00	6.42 pH	21.42 °C	1,670.1 µS/cm	0.08 mg/L	3.83 NTU	14.6 mV	14.59 ft	200.00 ml/min
8/9/2023 2:12 PM	20:00	6.43 pH	21.02 °C	1,655.1 µS/cm	0.07 mg/L	3.56 NTU	19.0 mV	14.59 ft	200.00 ml/min
8/9/2023 2:17 PM	25:00	6.43 pH	20.65 °C	1,655.7 µS/cm	0.06 mg/L	0.04 NTU	16.5 mV	14.59 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-04	Grab.
HAM-AP2-FD-07	Grab.

Low-Flow Test Report:

Test Date / Time: 8/9/2023 4:59:22 PM
Project: GP-Plant Hammond
Operator Name: Anthony Szwast

Location Name: PT-05 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 25.39 ft** **Total Depth: 35.39 ft** **Initial Depth to Water: 14.84 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 30.39 ft** **Estimated Total Volume Pumped: 8 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.07 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883530**

Test Notes:
Five bottles: Baseline Sampling and Major Ions

Weather Conditions:
Sunny, 79 Degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
8/9/2023 4:59 PM	00:00	6.37 pH	21.76 °C	1,709.8 µS/cm	0.16 mg/L	36.10 NTU	43.6 mV	14.87 ft	200.00 ml/min
8/9/2023 5:04 PM	05:00	6.37 pH	22.05 °C	1,729.1 µS/cm	0.14 mg/L	24.60 NTU	91.9 mV	14.90 ft	200.00 ml/min
8/9/2023 5:09 PM	10:00	6.37 pH	21.96 °C	1,738.9 µS/cm	0.13 mg/L	18.70 NTU	112.2 mV	14.91 ft	200.00 ml/min
8/9/2023 5:14 PM	15:00	6.37 pH	21.86 °C	1,714.7 µS/cm	0.11 mg/L	17.50 NTU	96.9 mV	14.91 ft	200.00 ml/min
8/9/2023 5:19 PM	20:00	6.37 pH	21.87 °C	1,720.7 µS/cm	0.10 mg/L	13.60 NTU	90.0 mV	14.91 ft	200.00 ml/min
8/9/2023 5:24 PM	25:00	6.37 pH	21.87 °C	1,705.7 µS/cm	0.08 mg/L	15.50 NTU	92.7 mV	14.91 ft	200.00 ml/min
8/9/2023 5:29 PM	30:00	6.37 pH	21.68 °C	1,706.7 µS/cm	0.07 mg/L	9.15 NTU	83.3 mV	14.91 ft	200.00 ml/min
8/9/2023 5:34 PM	35:00	6.36 pH	21.96 °C	1,710.0 µS/cm	0.07 mg/L	4.81 NTU	82.3 mV	14.91 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-05	Grab.

Low-Flow Test Report:

Test Date / Time: 8/9/2023 3:18:14 PM
Project: GP-Plant Hammond
Operator Name: Anthony Szwast

Location Name: PT-06 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 26 ft** **Total Depth: 35.22 ft** **Initial Depth to Water: 14.68 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 31 ft** **Estimated Total Volume Pumped: 6 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883530**

Test Notes:
Five bottles: Baseline Sampling and Major Ions

Weather Conditions:
Sunny, 77 Degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
8/9/2023 3:18 PM	00:00	6.41 pH	24.08 °C	1,596.0 µS/cm	0.16 mg/L	22.70 NTU	34.3 mV	14.76 ft	200.00 ml/min
8/9/2023 3:23 PM	05:00	6.30 pH	22.45 °C	1,679.5 µS/cm	0.10 mg/L	26.90 NTU	76.9 mV	14.73 ft	200.00 ml/min
8/9/2023 3:28 PM	10:00	6.31 pH	21.58 °C	1,638.8 µS/cm	0.06 mg/L	26.60 NTU	95.0 mV	14.75 ft	200.00 ml/min
8/9/2023 3:33 PM	15:00	6.29 pH	21.33 °C	1,636.8 µS/cm	0.04 mg/L	9.62 NTU	92.8 mV	14.75 ft	200.00 ml/min
8/9/2023 3:38 PM	20:00	6.30 pH	21.10 °C	1,620.0 µS/cm	0.03 mg/L	6.62 NTU	99.6 mV	14.78 ft	200.00 ml/min
8/9/2023 3:43 PM	25:00	6.31 pH	21.23 °C	1,612.1 µS/cm	0.02 mg/L	2.30 NTU	99.4 mV	14.78 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-06	Grab.

Calibration Forms

Geosyntec consultants

EQUIPMENT CALIBRATION LOG

Field Technician: Alana Neely | Date: 7/14/23 | Time (start): 0730 | Time (finish): 0745

smarTroll SN: 884187 | Turbidity Meter Type: LaMote 2020we | SN: 7009-1416

Weather Conditions: 73-93°, Cloudy | Facility and Unit: plant Hammond | Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	22250153 11/23	27.25	4490	4508.8	4486.0	+/- 5 %	(Yes) No	
pH (4)			4.00	4.03	4.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (4) check	-	-	4.00	-	-	+/- 0.1 SU	Yes No	
pH (7)	22168933 11/23	27.01	7.00	7.36	6.99	+/- 0.1 SU	(Yes) No	
Mid-Day pH (7) check	-	-	7.00	-	-	+/- 0.1 SU	Yes No	
pH (10)	21320202 12/23	26.31	10.00	9.73	10.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (10) check	-	-	10.00	-	-	+/- 0.1 SU	Yes No	
ORP (mV)	21390144 11/23	25.73	228	222.6	228.1	+/- 20mV	(Yes) No	
DO (%) (1pt, 100% water saturated air cal)	[redacted]		100	98.43%	100.54%	+/- 6 % saturation	(Yes) No	
Turbidity 0 NTU			0	0.21	0.01	+/- 0.5 NTU	(Yes) No	
Turbidity 1 NTU			1.00	0.55	0.76	+/- 0.5 NTU	(Yes) No	
Turbidity 10 NTU			10.00	11.53	10.01	+/- 0.5 NTU	(Yes) No	

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EQUIPMENT CALIBRATION LOG

Field Technician: Alana Kelly | Date: 7/17/23 | Time (start): 0855 | Time (finish): 0915

smarTroll SN: 884187 | Turbidity Meter Type: LaMote 2020we | SN: 7009-1416

Weather Conditions: 66-93°, sunny | Facility and Unit: Plant Hammond | Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	22250153 11123	25.52	4490	4440.8	4492.1	+/- 5 %	(Yes) No	
pH (4)			4.00	4.05	4.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (4) check	–	–	4.00	–	–	+/- 0.1 SU	Yes No	
pH (7)	22160893 11123	25.45	7.00	7.32	7.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (7) check	–	–	7.00	–	–	+/- 0.1 SU	Yes No	
pH (10)	21320202 12123	24.03	10.00	9.03	10.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (10) check	–	–	10.00	–	–	+/- 0.1 SU	Yes No	
ORP (mV)	2139.0144 11123	23.02	228	227.0	228.0	+/- 20mV	(Yes) No	
DO (%) (1pt, 100% water saturated air cal)	[redacted]		100	100.42	100.25	+/- 6 % saturation	(Yes) No	
Turbidity 0 NTU			0	0.14	0.01	+/- 0.5 NTU	(Yes) No	
Turbidity 1 NTU			1.00	0.70	0.95	+/- 0.5 NTU	(Yes) No	
Turbidity 10 NTU			10.00	11.51	10.01	+/- 0.5 NTU	(Yes) No	

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EQUIPMENT CALIBRATION LOG

Field Technician: Mana Neely

Date: 7/18/23

Time (start): 0755

Time (finish): 0810

smarTroll SN: 884187

Turbidity Meter Type: LaMote 2020we

SN: 7009-1416

Weather Conditions: 67-93° sunny

Facility and Unit: Plant Hammond

Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	22250153 11/23	23.95	4490	4490.7	4490.8	+/- 5 %	(Yes) No	
pH (4)			4.00	4.04	4.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (4) check	–	–	4.00	–	–	+/- 0.1 SU	Yes No	
pH (7)	22168931 11/23	23.68	7.00	7.35	7.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (7) check	–	–	7.00	–	–	+/- 0.1 SU	Yes No	
pH (10)	21320202 12/23	23.28	10.00	9.68	10.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (10) check	–	–	10.00	–	–	+/- 0.1 SU	Yes No	
ORP (mV)	21390144 11/23	22.72	228	226.3	228.1	+/- 20mV	(Yes) No	
DO (%) (1pt, 100% water saturated air cal)	[redacted]		100	100.00%	100.00%	+/- 6 % saturation	(Yes) No	
Turbidity 0 NTU			0	0.22	0.06	+/- 0.5 NTU	(Yes) No	
Turbidity 1 NTU			1.00	0.60	0.96	+/- 0.5 NTU	(Yes) No	
Turbidity 10 NTU			10.00	11.38	9.96	+/- 0.5 NTU	(Yes) No	

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EQUIPMENT CALIBRATION LOG

Field Technician: Mana Nelly

Date: 7/19/23

Time (start): 0745

Time (finish): 0800

smarTroll SN: 884187

Turbidity Meter Type: LaMote 2020we

SN: 7009-1416

Weather Conditions: 68-93° cloudy

Facility and Unit: Plant Hammond

Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	22250153 11/23	24.77	4490	4479.0	4485.6	+/- 5 %	(Yes) No	
pH (4)			4.00	4.03	3.99	+/- 0.1 SU	(Yes) No	
Mid-Day pH (4) check	–	–	4.00	–	–	+/- 0.1 SU	Yes No	
pH (7)	22168933 11/23	24.65	7.00	7.38	7.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (7) check	–	–	7.00	–	–	+/- 0.1 SU	Yes No	
pH (10)	21320202 12/23	24.27	10.00	9.64	10.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (10) check	–	–	10.00	–	–	+/- 0.1 SU	Yes No	
ORP (mV)	21390144 11/23	23.89	228	222.5	228.1	+/- 20mV	(Yes) No	
DO (%) (1pt, 100% water saturated air cal)	[redacted]		100	98%	100.01%	+/- 6 % saturation	(Yes) No	
Turbidity 0 NTU			0	0.44	0.00	+/- 0.5 NTU	(Yes) No	
Turbidity 1 NTU			1.00	0.69	0.94	+/- 0.5 NTU	(Yes) No	
Turbidity 10 NTU			10.00	11.08	9.99	+/- 0.5 NTU	(Yes) No	

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EQUIPMENT CALIBRATION LOG

Field Technician: C-CAIN | Date: 8/9/23 | Time (start): 0815 | Time (finish): 0845

smarTroll SN: 883553 | Turbidity Meter Type: Laotte 2020 | SN: 4121-7623

Weather Conditions: fog 68 | Facility and Unit: Plant Hammond | Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	22250153 11/23	22.78	~~4578.8 8/9/23~~ 4490	4573.5	4490	+/- 5 %	(Yes) No	
pH (4)			4.0	4.07	4.0	+/- 0.1 SU	Yes No	
Mid-Day pH (4) check	〃 〃	—	4.0	4.02	—	+/- 0.1 SU	Yes No	
pH (7)	2246893 11/23	23.43	7.0	7.05	7.0	+/- 0.1 SU	(Yes) No	
Mid-Day pH (7) check	〃 〃	—	7.0	7.0	—	+/- 0.1 SU	Yes No	
pH (10)	22110130 8/23	23.75	10.0	10.05	10	+/- 0.1 SU	(Yes) No	
Mid-Day pH (10) check	〃 〃	—	10.0	10.03	—	+/- 0.1 SU	Yes No	
ORP (mV)	21390144 11/23	23.81	228	227.1	228	+/- 20mV	(Yes) No	
DO (%) (1pt, 100% water saturated air cal)			100	95.23	100	+/- 6 % saturation	(Yes) No	
Turbidity 0 NTU			0	0.00	0.00	+/- 0.5 NTU	(Yes) No	
Turbidity 1 NTU			1	1.43	1.13	+/- 0.5 NTU	(Yes) No	
Turbidity 10 NTU			10	10.75	10	+/- 0.5 NTU	(Yes) No	

Geosyntec consultants

EQUIPMENT CALIBRATION LOG

Field Technician: A. Szwast

Date: 8/9/2023

Time (start): 1145

Time (finish): 1205

smarTroll SN: 883530

Turbidity Meter Type: LaMotte 2020t

SN: 4139-2623

Weather Conditions: Partly cloudy, 73°F

Facility and Unit: Plant Hammond

Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	22250153 11/2023	24.50	4,490	4250.9	4490.0	+/- 5 %	(Yes) No	
pH (4)			4.00	4.45	4.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (4) check						+/- 0.1 SU	Yes No	
pH (7)	2216893 11/2023	24.85	7.00	7.32	7.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (7) check						+/- 0.1 SU	Yes No	
pH (10)	21320202 12/2023	25.05	10.00	10.54	10.00	+/- 0.1 SU	(Yes) No	
Mid-Day pH (10) check						+/- 0.1 SU	Yes No	
ORP (mV)	21390144 11/2023	25.06	228.0	225.9	228.0	+/- 20mV	(Yes) No	
DO (%) (1pt, 100% water saturated air cal)			~~101.24~~ 100.00 8-9-2023	101.24	100.0	+/- 6 % saturation	(Yes) No	
Turbidity 0 NTU			0.00	0.00	—	+/- 0.5 NTU	(Yes) No	
Turbidity 1 NTU			1.00	1.08	—	+/- 0.5 NTU	(Yes) No	
Turbidity 10 NTU			10.00	10.7	9.89	+/- 0.5 NTU	(Yes) No	

Geosyntec consultants

EQUIPMENT CALIBRATION LOG

Field Technician: Thomas Kessler | Date: 8/9/23 | Time (start): 0800 | Time (finish): 0825

smarTroll SN: 650729 | Turbidity Meter Type: LaMotte 2020we | SN: 1475-21011

Weather Conditions: Foggy 75° | Facility and Unit: Plant Hammond | Project No.: 6160881

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	22250853 11/23	21.91	4490	4562	4490	+/- 5 %	Yes / No	
pH (4)	↓	↓	4	4.04	4.0	+/- 0.1 SU	Yes No	
Mid-Day pH (4) check	↓	22	4	4.03	—	+/- 0.1 SU	Yes No	
pH (7)	22K6873 11/23	22.77	~~7.06~~ 7.00	7.05	7.00	+/- 0.1 SU	Yes No	
Mid-Day pH (7) check	↓	22	7	6.98	—	+/- 0.1 SU	Yes No	
pH (10)	21320202 12/23	22.62	10.00	10.01	10.0	+/- 0.1 SU	Yes No	
Mid-Day pH (10) check	↓	22	10	9.91	—	+/- 0.1 SU	Yes No	
ORP (mV)	22760085 8/23		278	277.7	278	+/- 20mV	Yes No	
DO (%) (1pt, 100% water saturated air cal)	[redacted]		100	99.08	100	+/- 6 % saturation	Yes No	
Turbidity 0 NTU	[redacted]		0	.53	0	+/- 0.5 NTU	Yes No	
Turbidity 1 NTU	[redacted]		1	.56	.93	+/- 0.5 NTU	Yes No	
Turbidity 10 NTU	[redacted]		10	10.35	10.1	+/- 0.5 NTU	Yes No	

APPENDIX D

Post-injection Performance Monitoring Groundwater Analytical Laboratory Results and Field Sampling Forms

Laboratory Analytical Reports

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

February 06, 2024

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Hammond AP-2
Pace Project No.: 92710201

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on January 25, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

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

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

Sincerely,

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

Enclosures

cc: Kip Gray, Geosyntec
Christine Hug, Geosyntec Consultants, Inc.
Thomas Kessler, Geosyntec Consultants
Whitney Law, Geosyntec Consultants
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec Consultants, Inc
Anthony Szwast, Geosyntec Consultants

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CERTIFICATIONS

Project: Hammond AP-2
Pace Project No.: 92710201

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315
Georgia DW Inorganics Certification #: 812
North Carolina Certification #: 381
South Carolina Certification #: 98011001
Virginia Certification #: 460204

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SAMPLE SUMMARY

Project: Hammond AP-2
Pace Project No.: 92710201

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92710201001	**HAM-PT-01**	Water	01/24/24 11:36	01/25/24 12:05
92710201002	**HAM-PT-02**	Water	01/24/24 13:26	01/25/24 12:05
92710201003	**HAM-PT-03**	Water	01/24/24 10:08	01/25/24 12:05
92710201004	**HAM-PT-04**	Water	01/24/24 12:50	01/25/24 12:05
92710201005	**HAM-PT-05**	Water	01/24/24 11:15	01/25/24 12:05
92710201006	**HAM-PT-06**	Water	01/24/24 10:25	01/25/24 12:05
92710201007	**HAM-AP2-EB-01**	Water	01/24/24 14:15	01/25/24 12:05
92710201008	**HAM-AP2-FB-01**	Water	01/24/24 14:10	01/25/24 12:05
92710201009	**HAM-AP2-FD-01**	Water	01/24/24 00:00	01/25/24 12:05

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SAMPLE ANALYTE COUNT

Project: Hammond AP-2
Pace Project No.: 92710201

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92710201001	**HAM-PT-01**	EPA 6020B	MT1	2
		SM 2320B-2011	SMS	2
92710201002	**HAM-PT-02**	EPA 6020B	MT1	2
		SM 2320B-2011	SMS	2
92710201003	**HAM-PT-03**	EPA 6020B	MT1	2
		SM 2320B-2011	SMS	2
92710201004	**HAM-PT-04**	EPA 6020B	MT1	2
		SM 2320B-2011	SMS	2
92710201005	**HAM-PT-05**	EPA 6020B	MT1	2
		SM 2320B-2011	SMS	2
92710201006	**HAM-PT-06**	EPA 6020B	MT1	2
		SM 2320B-2011	SMS	2
92710201007	**HAM-AP2-EB-01**	EPA 6020B	MT1	2
		SM 2320B-2011	SMS	2
92710201008	**HAM-AP2-FB-01**	EPA 6020B	MT1	2
		SM 2320B-2011	SMS	2
92710201009	**HAM-AP2-FD-01**	EPA 6020B	MT1	2
		SM 2320B-2011	SMS	2

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

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SUMMARY OF DETECTION

Project: Hammond AP-2
Pace Project No.: 92710201

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92710201001	**HAM-PT-01**					
EPA 6020B	Boron	3.5	mg/L	0.40	01/30/24 13:07	
EPA 6020B	Cobalt	0.0045J	mg/L	0.0050	01/29/24 17:12	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	243	mg/L	5.0	02/02/24 16:02	
SM 2320B-2011	Alkalinity, Total as CaCO3	243	mg/L	5.0	02/02/24 16:02	
92710201002	**HAM-PT-02**					
EPA 6020B	Boron	5.3	mg/L	0.040	01/29/24 17:27	
EPA 6020B	Cobalt	0.0078	mg/L	0.0050	01/29/24 17:27	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	680	mg/L	5.0	02/02/24 16:11	
SM 2320B-2011	Alkalinity, Total as CaCO3	680	mg/L	5.0	02/02/24 16:11	
92710201003	**HAM-PT-03**					
EPA 6020B	Boron	7.8	mg/L	0.040	01/29/24 17:30	
EPA 6020B	Cobalt	0.11	mg/L	0.0050	01/29/24 17:30	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	11.3	mg/L	5.0	02/01/24 14:14	
SM 2320B-2011	Alkalinity, Total as CaCO3	11.3	mg/L	5.0	02/01/24 14:14	
92710201004	**HAM-PT-04**					
EPA 6020B	Boron	6.8	mg/L	0.040	01/29/24 17:34	
EPA 6020B	Cobalt	0.031	mg/L	0.0050	01/29/24 17:34	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	462	mg/L	5.0	02/02/24 16:20	
SM 2320B-2011	Alkalinity, Total as CaCO3	462	mg/L	5.0	02/02/24 16:20	
92710201005	**HAM-PT-05**					
EPA 6020B	Boron	4.9	mg/L	0.040	01/29/24 17:38	
EPA 6020B	Cobalt	0.0069	mg/L	0.0050	01/29/24 17:38	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	1060	mg/L	5.0	02/02/24 16:29	
SM 2320B-2011	Alkalinity, Total as CaCO3	1060	mg/L	5.0	02/02/24 16:29	
92710201006	**HAM-PT-06**					
EPA 6020B	Boron	6.4	mg/L	0.040	01/29/24 17:49	
EPA 6020B	Cobalt	0.020	mg/L	0.0050	01/29/24 17:49	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	610	mg/L	5.0	02/02/24 16:40	
SM 2320B-2011	Alkalinity, Total as CaCO3	610	mg/L	5.0	02/02/24 16:40	
92710201007	**HAM-AP2-EB-01**					
EPA 6020B	Boron	0.032J	mg/L	0.040	01/29/24 17:57	
92710201008	**HAM-AP2-FB-01**					
EPA 6020B	Boron	0.026J	mg/L	0.040	01/29/24 18:00	
92710201009	**HAM-AP2-FD-01**					
EPA 6020B	Boron	8.0	mg/L	0.040	01/29/24 18:04	
EPA 6020B	Cobalt	0.11	mg/L	0.0050	01/29/24 18:04	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	11.2	mg/L	5.0	02/01/24 15:44	
SM 2320B-2011	Alkalinity, Total as CaCO3	11.2	mg/L	5.0	02/01/24 15:44	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92710201

Sample: HAM-PT-01 **Lab ID: 92710201001** Collected: 01/24/24 11:36 Received: 01/25/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Boron	**3.5**	mg/L	0.40	0.12	10	01/29/24 10:11	01/30/24 13:07	7440-42-8	
Cobalt	**0.0045J**	mg/L	0.0050	0.00032	1	01/29/24 10:11	01/29/24 17:12	7440-48-4	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**243**	mg/L	5.0	5.0	1		02/02/24 16:02		
Alkalinity, Total as CaCO3	**243**	mg/L	5.0	5.0	1		02/02/24 16:02		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92710201

Sample: HAM-PT-02 **Lab ID: 92710201002** Collected: 01/24/24 13:26 Received: 01/25/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Boron	**5.3**	mg/L	0.040	0.012	1	01/29/24 10:11	01/29/24 17:27	7440-42-8	
Cobalt	**0.0078**	mg/L	0.0050	0.00032	1	01/29/24 10:11	01/29/24 17:27	7440-48-4	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**680**	mg/L	5.0	5.0	1		02/02/24 16:11		
Alkalinity, Total as CaCO3	**680**	mg/L	5.0	5.0	1		02/02/24 16:11		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92710201

Sample: HAM-PT-03 **Lab ID: 92710201003** Collected: 01/24/24 10:08 Received: 01/25/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Boron	**7.8**	mg/L	0.040	0.012	1	01/29/24 10:11	01/29/24 17:30	7440-42-8	
Cobalt	**0.11**	mg/L	0.0050	0.00032	1	01/29/24 10:11	01/29/24 17:30	7440-48-4	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**11.3**	mg/L	5.0	5.0	1		02/01/24 14:14		
Alkalinity, Total as CaCO3	**11.3**	mg/L	5.0	5.0	1		02/01/24 14:14		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92710201

Sample: HAM-PT-04 **Lab ID: 92710201004** Collected: 01/24/24 12:50 Received: 01/25/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Boron	**6.8**	mg/L	0.040	0.012	1	01/29/24 10:11	01/29/24 17:34	7440-42-8	
Cobalt	**0.031**	mg/L	0.0050	0.00032	1	01/29/24 10:11	01/29/24 17:34	7440-48-4	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**462**	mg/L	5.0	5.0	1		02/02/24 16:20		
Alkalinity, Total as CaCO3	**462**	mg/L	5.0	5.0	1		02/02/24 16:20		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92710201

Sample: HAM-PT-05 **Lab ID: 92710201005** Collected: 01/24/24 11:15 Received: 01/25/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Boron	**4.9**	mg/L	0.040	0.012	1	01/29/24 10:11	01/29/24 17:38	7440-42-8	
Cobalt	**0.0069**	mg/L	0.0050	0.00032	1	01/29/24 10:11	01/29/24 17:38	7440-48-4	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**1060**	mg/L	5.0	5.0	1		02/02/24 16:29		
Alkalinity, Total as CaCO3	**1060**	mg/L	5.0	5.0	1		02/02/24 16:29		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92710201

Sample: HAM-PT-06 **Lab ID: 92710201006** Collected: 01/24/24 10:25 Received: 01/25/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Boron	**6.4**	mg/L	0.040	0.012	1	01/29/24 10:11	01/29/24 17:49	7440-42-8	
Cobalt	**0.020**	mg/L	0.0050	0.00032	1	01/29/24 10:11	01/29/24 17:49	7440-48-4	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**610**	mg/L	5.0	5.0	1		02/02/24 16:40		
Alkalinity, Total as CaCO3	**610**	mg/L	5.0	5.0	1		02/02/24 16:40		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92710201

Sample: HAM-AP2-EB-01 **Lab ID: 92710201007** Collected: 01/24/24 14:15 Received: 01/25/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Boron	**0.032J**	mg/L	0.040	0.012	1	01/29/24 10:11	01/29/24 17:57	7440-42-8	
Cobalt	ND	mg/L	0.0050	0.00032	1	01/29/24 10:11	01/29/24 17:57	7440-48-4	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/01/24 15:34		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/01/24 15:34		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92710201

Sample: HAM-AP2-FB-01 **Lab ID: 92710201008** Collected: 01/24/24 14:10 Received: 01/25/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Boron	**0.026J**	mg/L	0.040	0.012	1	01/29/24 10:11	01/29/24 18:00	7440-42-8	
Cobalt	ND	mg/L	0.0050	0.00032	1	01/29/24 10:11	01/29/24 18:00	7440-48-4	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/01/24 15:39		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/01/24 15:39		

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92710201

Sample: HAM-AP2-FD-01 **Lab ID: 92710201009** Collected: 01/24/24 00:00 Received: 01/25/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Boron	**8.0**	mg/L	0.040	0.012	1	01/29/24 10:11	01/29/24 18:04	7440-42-8	
Cobalt	**0.11**	mg/L	0.0050	0.00032	1	01/29/24 10:11	01/29/24 18:04	7440-48-4	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**11.2**	mg/L	5.0	5.0	1		02/01/24 15:44		
Alkalinity, Total as CaCO3	**11.2**	mg/L	5.0	5.0	1		02/01/24 15:44		

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92710201

QC Batch: 828477
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92710201001, 92710201002, 92710201003, 92710201004, 92710201005, 92710201006, 92710201007, 92710201008, 92710201009

METHOD BLANK: 4282973 Matrix: Water
Associated Lab Samples: 92710201001, 92710201002, 92710201003, 92710201004, 92710201005, 92710201006, 92710201007, 92710201008, 92710201009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	mg/L	ND	0.040	0.012	01/29/24 17:04	
Cobalt	mg/L	ND	0.0050	0.00032	01/29/24 17:04	

LABORATORY CONTROL SAMPLE: 4282974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	1	1.1	105	80-120	
Cobalt	mg/L	0.1	0.098	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4282975 4282976

Parameter	Units	92710201001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	3.5	1	1	4.5	4.3	107	82	75-125	6	20	
Cobalt	mg/L	0.0045J	0.1	0.1	0.10	0.10	99	97	75-125	1	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92710201

QC Batch: 829216
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92710201003

METHOD BLANK: 4286184 Matrix: Water
Associated Lab Samples: 92710201003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/01/24 10:56	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/01/24 10:56	

LABORATORY CONTROL SAMPLE: 4286185

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.2	98	80-120	

LABORATORY CONTROL SAMPLE: 4286186

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.5	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4286187 4286188

Parameter	Units	92709974010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	65.0	50	50	114	115	98	99	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4286189 4286190

Parameter	Units	92709974011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	443	50	50	472	492	59	99	80-120	4	25	M1

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92710201

QC Batch: 829217
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92710201007, 92710201008, 92710201009

METHOD BLANK: 4286199 Matrix: Water
Associated Lab Samples: 92710201007, 92710201008, 92710201009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/01/24 15:16	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/01/24 15:16	

LABORATORY CONTROL SAMPLE: 4286200

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.8	100	80-120	

LABORATORY CONTROL SAMPLE: 4286201

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.7	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4286202 4286203

Parameter	Units	92710406008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	ND	50	50	54.9	54.8	102	102	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4286204 4286205

Parameter	Units	92710406009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	25.8	50	50	74.7	74.7	98	98	80-120	0	25	

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

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92710201

QC Batch: 829765
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92710201001, 92710201002, 92710201004, 92710201005, 92710201006

METHOD BLANK: 4288419 Matrix: Water
Associated Lab Samples: 92710201001, 92710201002, 92710201004, 92710201005, 92710201006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/02/24 15:36	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/02/24 15:36	

LABORATORY CONTROL SAMPLE: 4288420

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.3	101	80-120	

LABORATORY CONTROL SAMPLE: 4288421

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	53.0	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4288422 4288423

Parameter	Units	92711030008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	17.6	50	50	68.9	68.7	103	102	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4288424 4288425

Parameter	Units	92711030009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	17.1	50	50	68.6	68.3	103	102	80-120	0	25	

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QUALIFIERS

Project: Hammond AP-2
Pace Project No.: 92710201

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hammond AP-2
Pace Project No.: 92710201

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92710201001	**HAM-PT-01**	EPA 3005A	828477	EPA 6020B	828609
92710201002	**HAM-PT-02**	EPA 3005A	828477	EPA 6020B	828609
92710201003	**HAM-PT-03**	EPA 3005A	828477	EPA 6020B	828609
92710201004	**HAM-PT-04**	EPA 3005A	828477	EPA 6020B	828609
92710201005	**HAM-PT-05**	EPA 3005A	828477	EPA 6020B	828609
92710201006	**HAM-PT-06**	EPA 3005A	828477	EPA 6020B	828609
92710201007	**HAM-AP2-EB-01**	EPA 3005A	828477	EPA 6020B	828609
92710201008	**HAM-AP2-FB-01**	EPA 3005A	828477	EPA 6020B	828609
92710201009	**HAM-AP2-FD-01**	EPA 3005A	828477	EPA 6020B	828609
92710201001	**HAM-PT-01**	SM 2320B-2011	829765		
92710201002	**HAM-PT-02**	SM 2320B-2011	829765		
92710201003	**HAM-PT-03**	SM 2320B-2011	829216		
92710201004	**HAM-PT-04**	SM 2320B-2011	829765		
92710201005	**HAM-PT-05**	SM 2320B-2011	829765		
92710201006	**HAM-PT-06**	SM 2320B-2011	829765		
92710201007	**HAM-AP2-EB-01**	SM 2320B-2011	829217		
92710201008	**HAM-AP2-FB-01**	SM 2320B-2011	829217		
92710201009	**HAM-AP2-FD-01**	SM 2320B-2011	829217		

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Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-HUN1-0083 v03_Sample Condition Upon Receipt

Effective Date: 11/29/2023

aboratory receiving samples:

Asheville ☐ **Eden** ☐ **Greenwood** ☐ **Huntersville** ☐ **Raleigh** ☐ **Mechanicsville** ☐ **Atlanta** ☑ **Kernersville** ☐

Sample Condition Upon Receipt

Client Name: Ga Power

Project #: **WO# : 92710201**

92710201

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other:____

Custody Seal Present? ☑ Yes ☐ No **Seals Intact?** ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 11/15/24 SH

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 730

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.2 **Correction Factor:** Add/Subtract (°C) +0.1

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C): 2.3

USDA Regulated Soil (☐ N/A, water sample)

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

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

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)? 11/15 SH	☑ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

LIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: **Date:**

Project Manager SRF Review: **Date:**

Qualtrax ID: 69614

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-HUN1-0083 v03_Sample Condition Upon Receipt

Effective Date: 11/29/2023

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

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

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

***Check all unpreserved Nitrates for chlorine

Project # **WO#: 92710201**

PM: BV Due Date: 02/08/24

CLIENT: 92- GP-HAM

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

pH Adjustment Log for Preserved Samples

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

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

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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.

Page: 1 of 1

Section A Required Client Information	Section B Required Project Information	Section C Invoice Information
Company: GA Power	Report To: SCS Contacts	Attention: Southern Co.
Address: Atlanta, GA	Copy To: Geosyntec Contacts	Company Name:
		Address:
Email To: SCS Contacts	Purchase Order No.: GPC82474-0001	Pace Quote Reference:
Phone: Fax	Project Name: Hammond AP-2	Pace Project Manager: Bonnie Vang
Requested Due Date/TAT: 10 Day	Project Number:	Pace Profile #: 10839

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | ☑ OTHER CCR

Site Location STATE: GA

Requested Analysis Filtered (Y/N)

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: Bicarbonate Alk., Total Alk.	Boron and Cobalt	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	HAM-PT-01	WG	G	1/24/2024	1136			17	2	1		1						N	X	X	N	
2	HAM-PT-02	WG	G	1/24/2024	1326			17	2	1		1						N	X	X	N	
3	HAM-PT-03	WG	G	1/24/2024	1008			17	2	1		1						N	X	X	N	
4	HAM-PT-04	WG	G	1/24/2024	1250			17	2	1		1						N	X	X	N	
5	HAM-PT-05	WG	G	1/24/2024	1115			17	2	1		1						N	X	X	N	
6	HAM-PT-06	WG	G	1/24/2024	1025			17	2	1		1						N	X	X	N	
7	HAM-AP2-EB-01	WQ	G	1/24/2024	1415			17	2	1		1						N	X	X	N	
8	HAM-AP2-FB-01	WQ	G	1/24/2024	1410			17	2	1		1						N	X	X	N	
9	HAM-AP2-FD-01	WG	G	1/24/2024	0000			17	2	1		1						N	X	X	N	
10																						
11						ZW	1/25/24															
12																						

ZW 1/25/24

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Task Code: HAM-CCR-CA-20240124	Zain Webb / Geosyntec	1-25-24	1205	Ryan William / Pace	1/25/24	1205	
	Ryan William / Pace	1/25/24	1350		1/25/24	1350	

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: Zain Webb, Thomas Kessler / Geosyntec Consultants, Inc.			
SIGNATURE of SAMPLER: Zain Webb, Thomas Kessler	DATE Signed (MM/DD/YY): 1-25-24		

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

March 07, 2024

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on February 22, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

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

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

Sincerely,

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

Enclosures

cc: Kip Gray, Geosyntec
Christine Hug, Geosyntec Consultants, Inc.
Thomas Kessler, Geosyntec Consultants
Whitney Law, Geosyntec Consultants
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec Consultants, Inc
Anthony Szwast, Geosyntec Consultants

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CERTIFICATIONS

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315
Georgia DW Inorganics Certification #: 812
North Carolina Certification #: 381
South Carolina Certification #: 98011001
Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92714999001	**HAM-PT-01**	Water	02/19/24 17:08	02/22/24 11:10
92714999002	**HAM-PT-02**	Water	02/20/24 12:07	02/22/24 11:10
92714999003	**HAM-PT-03**	Water	02/20/24 10:30	02/22/24 11:10
92714999004	**HAM-PT-04**	Water	02/21/24 10:30	02/22/24 11:10
92714999005	**HAM-PT-05**	Water	02/20/24 15:40	02/22/24 11:10
92714999006	**HAM-PT-06**	Water	02/20/24 17:42	02/22/24 11:10
92714999007	**HAM-AP2-EB-01**	Water	02/21/24 10:40	02/22/24 11:10
92714999008	**HAM-AP2-FB-01**	Water	02/21/24 10:45	02/22/24 11:10
92714999009	**HAM-AP2-FD-01**	Water	02/20/24 00:00	02/22/24 11:10

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SAMPLE ANALYTE COUNT

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92714999001	**HAM-PT-01**	EPA 6010D	DRB	6
		EPA 6020B	MT1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92714999002	**HAM-PT-02**	EPA 6010D	DRB	6
		EPA 6020B	MT1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92714999003	**HAM-PT-03**	EPA 6010D	DRB	6
		EPA 6020B	MT1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92714999004	**HAM-PT-04**	EPA 6010D	DRB	6
		EPA 6020B	MT1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92714999005	**HAM-PT-05**	EPA 6010D	DRB	6
		EPA 6020B	MT1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92714999006	**HAM-PT-06**	EPA 6010D	DRB	6
		EPA 6020B	MT1	13

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SAMPLE ANALYTE COUNT

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92714999007	**HAM-AP2-EB-01**	EPA 6010D	DRB	6
		EPA 6020B	MT1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92714999008	**HAM-AP2-FB-01**	EPA 6010D	DRB	6
		EPA 6020B	MT1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92714999009	**HAM-AP2-FD-01**	EPA 6010D	DRB	6
		EPA 6020B	MT1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3

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

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SUMMARY OF DETECTION

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92714999001	**HAM-PT-01**					
EPA 6010D	Iron	10.1	mg/L	0.040	03/02/24 09:20	
EPA 6010D	Manganese	6.6	mg/L	0.040	03/02/24 09:20	
EPA 6010D	Potassium	15.2	mg/L	0.50	03/02/24 09:20	
EPA 6010D	Sodium	145	mg/L	1.0	03/02/24 09:20	
EPA 6010D	Calcium	96.6	mg/L	1.0	03/02/24 09:20	
EPA 6010D	Magnesium	11.3	mg/L	0.050	03/02/24 09:20	
EPA 6020B	Arsenic	0.0033J	mg/L	0.010	02/29/24 18:19	
EPA 6020B	Barium	0.036	mg/L	0.0050	02/29/24 18:19	
EPA 6020B	Boron	2.3	mg/L	0.040	02/29/24 18:19	
EPA 6020B	Cobalt	0.014	mg/L	0.0050	02/29/24 18:19	
EPA 6020B	Lead	0.00020J	mg/L	0.0010	02/29/24 18:19	
SM 2540C-2015	Total Dissolved Solids	810	mg/L	25.0	02/26/24 14:44	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	253	mg/L	5.0	02/29/24 16:23	
SM 2320B-2011	Alkalinity, Total as CaCO3	253	mg/L	5.0	02/29/24 16:23	
EPA 300.0 Rev 2.1 1993	Chloride	53.0	mg/L	1.0	02/24/24 17:43	
EPA 300.0 Rev 2.1 1993	Fluoride	0.24	mg/L	0.10	02/24/24 17:43	
EPA 300.0 Rev 2.1 1993	Sulfate	279	mg/L	6.0	02/25/24 06:05	
92714999002	**HAM-PT-02**					
EPA 6010D	Iron	13.2	mg/L	0.040	03/02/24 09:22	
EPA 6010D	Manganese	9.6	mg/L	0.040	03/02/24 09:22	
EPA 6010D	Potassium	7.3	mg/L	0.50	03/02/24 09:22	
EPA 6010D	Sodium	256	mg/L	1.0	03/02/24 09:22	
EPA 6010D	Calcium	158	mg/L	1.0	03/02/24 09:22	
EPA 6010D	Magnesium	18.4	mg/L	0.050	03/02/24 09:22	
EPA 6020B	Antimony	0.00060J	mg/L	0.0030	02/29/24 18:34	
EPA 6020B	Arsenic	0.0036J	mg/L	0.010	02/29/24 18:34	
EPA 6020B	Barium	0.042	mg/L	0.0050	02/29/24 18:34	
EPA 6020B	Boron	4.0	mg/L	0.040	02/29/24 18:34	
EPA 6020B	Cobalt	0.029	mg/L	0.0050	02/29/24 18:34	
SM 2540C-2015	Total Dissolved Solids	1820	mg/L	500	02/26/24 17:50	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	355	mg/L	5.0	02/27/24 18:54	
SM 2320B-2011	Alkalinity, Total as CaCO3	355	mg/L	5.0	02/27/24 18:54	
EPA 300.0 Rev 2.1 1993	Chloride	87.3	mg/L	12.0	02/25/24 06:20	
EPA 300.0 Rev 2.1 1993	Fluoride	0.15	mg/L	0.10	02/24/24 17:57	
EPA 300.0 Rev 2.1 1993	Sulfate	516	mg/L	12.0	02/25/24 06:20	
92714999003	**HAM-PT-03**					
EPA 6010D	Iron	0.075	mg/L	0.040	03/02/24 09:25	
EPA 6010D	Manganese	5.4	mg/L	0.040	03/02/24 09:25	
EPA 6010D	Potassium	5.6	mg/L	0.50	03/02/24 09:25	
EPA 6010D	Sodium	44.6	mg/L	1.0	03/02/24 09:25	
EPA 6010D	Calcium	275	mg/L	1.0	03/02/24 09:25	
EPA 6010D	Magnesium	27.0	mg/L	0.050	03/02/24 09:25	
EPA 6020B	Arsenic	0.0067J	mg/L	0.010	02/29/24 18:38	
EPA 6020B	Barium	0.024	mg/L	0.0050	02/29/24 18:38	
EPA 6020B	Beryllium	0.0017	mg/L	0.00050	02/29/24 18:38	
EPA 6020B	Boron	6.0	mg/L	0.040	02/29/24 18:38	

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SUMMARY OF DETECTION

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92714999003	**HAM-PT-03**					
EPA 6020B	Cadmium	0.00058	mg/L	0.00050	02/29/24 18:38	
EPA 6020B	Cobalt	0.092	mg/L	0.0050	02/29/24 18:38	
EPA 6020B	Lead	0.0012	mg/L	0.0010	02/29/24 18:38	
EPA 6020B	Selenium	0.0085	mg/L	0.0050	02/29/24 18:38	
SM 2540C-2015	Total Dissolved Solids	1480	mg/L	25.0	02/26/24 17:50	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	9.8	mg/L	5.0	02/27/24 18:11	
SM 2320B-2011	Alkalinity, Total as CaCO3	9.8	mg/L	5.0	02/27/24 18:11	
EPA 300.0 Rev 2.1 1993	Chloride	96.0	mg/L	17.0	02/25/24 06:35	M1
EPA 300.0 Rev 2.1 1993	Fluoride	0.57	mg/L	0.10	02/24/24 18:12	
EPA 300.0 Rev 2.1 1993	Sulfate	758	mg/L	17.0	02/25/24 06:35	M1
92714999004	**HAM-PT-04**					
EPA 6010D	Iron	4.6	mg/L	0.040	03/02/24 09:28	
EPA 6010D	Manganese	11.1	mg/L	0.040	03/02/24 09:28	
EPA 6010D	Potassium	8.6	mg/L	0.50	03/02/24 09:28	
EPA 6010D	Sodium	163	mg/L	1.0	03/02/24 09:28	
EPA 6010D	Calcium	244	mg/L	1.0	03/02/24 09:28	
EPA 6010D	Magnesium	20.2	mg/L	0.050	03/02/24 09:28	
EPA 6020B	Arsenic	0.0086J	mg/L	0.010	02/29/24 18:41	
EPA 6020B	Barium	0.045	mg/L	0.0050	02/29/24 18:41	
EPA 6020B	Boron	6.2	mg/L	0.040	02/29/24 18:41	
EPA 6020B	Cobalt	0.039	mg/L	0.0050	02/29/24 18:41	
EPA 6020B	Lithium	0.0031J	mg/L	0.030	02/29/24 18:41	
EPA 6020B	Molybdenum	0.0011J	mg/L	0.010	02/29/24 18:41	
EPA 6020B	Thallium	0.00053J	mg/L	0.0010	02/29/24 18:41	
SM 2540C-2015	Total Dissolved Solids	1370	mg/L	25.0	02/28/24 11:56	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	412	mg/L	5.0	02/29/24 19:38	
SM 2320B-2011	Alkalinity, Total as CaCO3	412	mg/L	5.0	02/29/24 19:38	
EPA 300.0 Rev 2.1 1993	Chloride	113	mg/L	10.0	02/25/24 07:48	
EPA 300.0 Rev 2.1 1993	Fluoride	0.13	mg/L	0.10	02/24/24 18:57	
EPA 300.0 Rev 2.1 1993	Sulfate	451	mg/L	10.0	02/25/24 07:48	
92714999005	**HAM-PT-05**					
EPA 6010D	Sodium	458	mg/L	5.0	03/04/24 09:04	
EPA 6010D	Iron	0.21	mg/L	0.040	03/02/24 09:30	
EPA 6010D	Manganese	3.5	mg/L	0.040	03/02/24 09:30	
EPA 6010D	Potassium	4.3	mg/L	0.50	03/02/24 09:30	
EPA 6010D	Calcium	186	mg/L	1.0	03/02/24 09:30	
EPA 6010D	Magnesium	19.5	mg/L	0.050	03/02/24 09:30	
EPA 6020B	Arsenic	0.0025J	mg/L	0.010	02/29/24 18:45	
EPA 6020B	Barium	0.042	mg/L	0.0050	02/29/24 18:45	
EPA 6020B	Boron	5.1	mg/L	0.040	02/29/24 18:45	
EPA 6020B	Cadmium	0.00021J	mg/L	0.00050	02/29/24 18:45	
EPA 6020B	Cobalt	0.014	mg/L	0.0050	02/29/24 18:45	
EPA 6020B	Lithium	0.0031J	mg/L	0.030	02/29/24 18:45	
EPA 6020B	Molybdenum	0.00097J	mg/L	0.010	02/29/24 18:45	
SM 2540C-2015	Total Dissolved Solids	1740	mg/L	25.0	02/26/24 17:51	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	795	mg/L	5.0	02/27/24 19:01	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92714999005	**HAM-PT-05**					
SM 2320B-2011	Alkalinity, Total as CaCO3	795	mg/L	5.0	02/27/24 19:01	
EPA 300.0 Rev 2.1 1993	Chloride	99.1	mg/L	10.0	02/25/24 08:03	
EPA 300.0 Rev 2.1 1993	Fluoride	0.060J	mg/L	0.10	02/24/24 19:12	
EPA 300.0 Rev 2.1 1993	Sulfate	460	mg/L	10.0	02/25/24 08:03	
92714999006	**HAM-PT-06**					
EPA 6010D	Iron	1.4	mg/L	0.040	03/02/24 09:43	
EPA 6010D	Manganese	10.5	mg/L	0.040	03/02/24 09:43	
EPA 6010D	Potassium	6.3	mg/L	0.50	03/02/24 09:43	
EPA 6010D	Sodium	225	mg/L	1.0	03/02/24 09:43	
EPA 6010D	Calcium	226	mg/L	1.0	03/02/24 09:43	
EPA 6010D	Magnesium	18.7	mg/L	0.050	03/02/24 09:43	
EPA 6020B	Arsenic	0.0052J	mg/L	0.010	02/29/24 18:56	
EPA 6020B	Barium	0.036	mg/L	0.0050	02/29/24 18:56	
EPA 6020B	Boron	6.6	mg/L	0.040	02/29/24 18:56	
EPA 6020B	Cadmium	0.00018J	mg/L	0.00050	02/29/24 18:56	
EPA 6020B	Cobalt	0.028	mg/L	0.0050	02/29/24 18:56	
EPA 6020B	Lithium	0.0040J	mg/L	0.030	02/29/24 18:56	
EPA 6020B	Thallium	0.00046J	mg/L	0.0010	02/29/24 18:56	
SM 2540C-2015	Total Dissolved Solids	1530	mg/L	25.0	02/26/24 17:51	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	451	mg/L	5.0	02/28/24 10:15	
SM 2320B-2011	Alkalinity, Total as CaCO3	451	mg/L	5.0	02/28/24 10:15	
EPA 300.0 Rev 2.1 1993	Chloride	125	mg/L	11.0	02/25/24 08:18	
EPA 300.0 Rev 2.1 1993	Sulfate	498	mg/L	11.0	02/25/24 08:18	
92714999007	**HAM-AP2-EB-01**					
EPA 6020B	Boron	0.034J	mg/L	0.040	02/29/24 19:00	
SM 2540C-2015	Total Dissolved Solids	41.0	mg/L	25.0	02/28/24 11:57	
92714999008	**HAM-AP2-FB-01**					
EPA 6020B	Boron	0.013J	mg/L	0.040	02/29/24 19:04	
92714999009	**HAM-AP2-FD-01**					
EPA 6010D	Iron	12.4	mg/L	0.040	03/02/24 09:51	
EPA 6010D	Manganese	10.5	mg/L	0.040	03/02/24 09:51	
EPA 6010D	Potassium	7.6	mg/L	0.50	03/02/24 09:51	
EPA 6010D	Sodium	265	mg/L	1.0	03/02/24 09:51	
EPA 6010D	Calcium	186	mg/L	1.0	03/02/24 09:51	
EPA 6010D	Magnesium	21.8	mg/L	0.050	03/02/24 09:51	
EPA 6020B	Arsenic	0.0042J	mg/L	0.010	02/29/24 19:07	
EPA 6020B	Barium	0.047	mg/L	0.0050	02/29/24 19:07	
EPA 6020B	Boron	4.5	mg/L	0.040	02/29/24 19:07	
EPA 6020B	Cobalt	0.031	mg/L	0.0050	02/29/24 19:07	
EPA 6020B	Selenium	0.0012J	mg/L	0.0050	02/29/24 19:07	
SM 2540C-2015	Total Dissolved Solids	1410	mg/L	25.0	02/26/24 17:51	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	334	mg/L	5.0	02/28/24 10:23	
SM 2320B-2011	Alkalinity, Total as CaCO3	334	mg/L	5.0	02/28/24 10:23	
EPA 300.0 Rev 2.1 1993	Chloride	91.7	mg/L	12.0	02/25/24 08:32	
EPA 300.0 Rev 2.1 1993	Fluoride	0.13	mg/L	0.10	02/24/24 20:12	

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SUMMARY OF DETECTION

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92714999009	**HAM-AP2-FD-01**					
EPA 300.0 Rev 2.1 1993	Sulfate	541	mg/L	12.0	02/25/24 08:32	

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ANALYTICAL RESULTS

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Sample: HAM-PT-01 **Lab ID: 92714999001** Collected: 02/19/24 17:08 Received: 02/22/24 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**10.1**	mg/L	0.040	0.025	1	02/28/24 18:17	03/02/24 09:20	7439-89-6	
Manganese	**6.6**	mg/L	0.040	0.011	1	02/28/24 18:17	03/02/24 09:20	7439-96-5	
Potassium	**15.2**	mg/L	0.50	0.15	1	02/28/24 18:17	03/02/24 09:20	7440-09-7	
Sodium	**145**	mg/L	1.0	0.58	1	02/28/24 18:17	03/02/24 09:20	7440-23-5	
Calcium	**96.6**	mg/L	1.0	0.12	1	02/28/24 18:17	03/02/24 09:20	7440-70-2	
Magnesium	**11.3**	mg/L	0.050	0.012	1	02/28/24 18:17	03/02/24 09:20	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	02/27/24 11:00	02/29/24 18:19	7440-36-0	
Arsenic	**0.0033J**	mg/L	0.010	0.00084	1	02/27/24 11:00	02/29/24 18:19	7440-38-2	
Barium	**0.036**	mg/L	0.0050	0.00047	1	02/27/24 11:00	02/29/24 18:19	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	02/27/24 11:00	02/29/24 18:19	7440-41-7	
Boron	**2.3**	mg/L	0.040	0.012	1	02/27/24 11:00	02/29/24 18:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	02/27/24 11:00	02/29/24 18:19	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	02/27/24 11:00	02/29/24 18:19	7440-47-3	
Cobalt	**0.014**	mg/L	0.0050	0.00032	1	02/27/24 11:00	02/29/24 18:19	7440-48-4	
Lead	**0.00020J**	mg/L	0.0010	0.00016	1	02/27/24 11:00	02/29/24 18:19	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	02/27/24 11:00	02/29/24 18:19	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	02/27/24 11:00	02/29/24 18:19	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	02/27/24 11:00	02/29/24 18:19	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	02/27/24 11:00	02/29/24 18:19	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	03/04/24 13:00	03/04/24 16:00	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**810**	mg/L	25.0	25.0	1		02/26/24 14:44		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**253**	mg/L	5.0	5.0	1		02/29/24 16:23		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/29/24 16:23		
Alkalinity, Total as CaCO3	**253**	mg/L	5.0	5.0	1		02/29/24 16:23		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/24/24 03:28	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**53.0**	mg/L	1.0	0.60	1		02/24/24 17:43	16887-00-6	

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ANALYTICAL RESULTS

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Sample: HAM-PT-01 **Lab ID: 92714999001** Collected: 02/19/24 17:08 Received: 02/22/24 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.24**	mg/L	0.10	0.050	1		02/24/24 17:43	16984-48-8	
Sulfate	**279**	mg/L	6.0	3.0	6		02/25/24 06:05	14808-79-8	

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ANALYTICAL RESULTS

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Sample: HAM-PT-02 **Lab ID: 92714999002** Collected: 02/20/24 12:07 Received: 02/22/24 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**13.2**	mg/L	0.040	0.025	1	02/28/24 18:17	03/02/24 09:22	7439-89-6	
Manganese	**9.6**	mg/L	0.040	0.011	1	02/28/24 18:17	03/02/24 09:22	7439-96-5	
Potassium	**7.3**	mg/L	0.50	0.15	1	02/28/24 18:17	03/02/24 09:22	7440-09-7	
Sodium	**256**	mg/L	1.0	0.58	1	02/28/24 18:17	03/02/24 09:22	7440-23-5	
Calcium	**158**	mg/L	1.0	0.12	1	02/28/24 18:17	03/02/24 09:22	7440-70-2	
Magnesium	**18.4**	mg/L	0.050	0.012	1	02/28/24 18:17	03/02/24 09:22	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	**0.00060J**	mg/L	0.0030	0.00054	1	02/27/24 11:00	02/29/24 18:34	7440-36-0	
Arsenic	**0.0036J**	mg/L	0.010	0.00084	1	02/27/24 11:00	02/29/24 18:34	7440-38-2	
Barium	**0.042**	mg/L	0.0050	0.00047	1	02/27/24 11:00	02/29/24 18:34	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	02/27/24 11:00	02/29/24 18:34	7440-41-7	
Boron	**4.0**	mg/L	0.040	0.012	1	02/27/24 11:00	02/29/24 18:34	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	02/27/24 11:00	02/29/24 18:34	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	02/27/24 11:00	02/29/24 18:34	7440-47-3	
Cobalt	**0.029**	mg/L	0.0050	0.00032	1	02/27/24 11:00	02/29/24 18:34	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	02/27/24 11:00	02/29/24 18:34	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	02/27/24 11:00	02/29/24 18:34	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	02/27/24 11:00	02/29/24 18:34	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	02/27/24 11:00	02/29/24 18:34	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	02/27/24 11:00	02/29/24 18:34	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	03/04/24 13:00	03/04/24 16:11	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1820**	mg/L	500	500	1		02/26/24 17:50		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**355**	mg/L	5.0	5.0	1		02/27/24 18:54		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/27/24 18:54		
Alkalinity, Total as CaCO3	**355**	mg/L	5.0	5.0	1		02/27/24 18:54		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/24/24 03:43	18496-25-8	M1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**87.3**	mg/L	12.0	7.2	12		02/25/24 06:20	16887-00-6	

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ANALYTICAL RESULTS

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Sample: HAM-PT-02 **Lab ID: 92714999002** Collected: 02/20/24 12:07 Received: 02/22/24 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.15**	mg/L	0.10	0.050	1		02/24/24 17:57	16984-48-8	
Sulfate	**516**	mg/L	12.0	6.0	12		02/25/24 06:20	14808-79-8	

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ANALYTICAL RESULTS

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Sample: HAM-PT-03 **Lab ID: 92714999003** Collected: 02/20/24 10:30 Received: 02/22/24 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**0.075**	mg/L	0.040	0.025	1	02/28/24 18:17	03/02/24 09:25	7439-89-6	
Manganese	**5.4**	mg/L	0.040	0.011	1	02/28/24 18:17	03/02/24 09:25	7439-96-5	
Potassium	**5.6**	mg/L	0.50	0.15	1	02/28/24 18:17	03/02/24 09:25	7440-09-7	
Sodium	**44.6**	mg/L	1.0	0.58	1	02/28/24 18:17	03/02/24 09:25	7440-23-5	
Calcium	**275**	mg/L	1.0	0.12	1	02/28/24 18:17	03/02/24 09:25	7440-70-2	
Magnesium	**27.0**	mg/L	0.050	0.012	1	02/28/24 18:17	03/02/24 09:25	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	02/27/24 11:00	02/29/24 18:38	7440-36-0	
Arsenic	**0.0067J**	mg/L	0.010	0.00084	1	02/27/24 11:00	02/29/24 18:38	7440-38-2	
Barium	**0.024**	mg/L	0.0050	0.00047	1	02/27/24 11:00	02/29/24 18:38	7440-39-3	
Beryllium	**0.0017**	mg/L	0.00050	0.000094	1	02/27/24 11:00	02/29/24 18:38	7440-41-7	
Boron	**6.0**	mg/L	0.040	0.012	1	02/27/24 11:00	02/29/24 18:38	7440-42-8	
Cadmium	**0.00058**	mg/L	0.00050	0.00010	1	02/27/24 11:00	02/29/24 18:38	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	02/27/24 11:00	02/29/24 18:38	7440-47-3	
Cobalt	**0.092**	mg/L	0.0050	0.00032	1	02/27/24 11:00	02/29/24 18:38	7440-48-4	
Lead	**0.0012**	mg/L	0.0010	0.00016	1	02/27/24 11:00	02/29/24 18:38	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	02/27/24 11:00	02/29/24 18:38	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	02/27/24 11:00	02/29/24 18:38	7439-98-7	
Selenium	**0.0085**	mg/L	0.0050	0.00096	1	02/27/24 11:00	02/29/24 18:38	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	02/27/24 11:00	02/29/24 18:38	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	03/04/24 13:00	03/04/24 16:13	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1480**	mg/L	25.0	25.0	1		02/26/24 17:50		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**9.8**	mg/L	5.0	5.0	1		02/27/24 18:11		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/27/24 18:11		
Alkalinity, Total as CaCO3	**9.8**	mg/L	5.0	5.0	1		02/27/24 18:11		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/24/24 03:45	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**96.0**	mg/L	17.0	10.2	17		02/25/24 06:35	16887-00-6	M1

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ANALYTICAL RESULTS

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Sample: HAM-PT-03 **Lab ID: 92714999003** Collected: 02/20/24 10:30 Received: 02/22/24 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.57**	mg/L	0.10	0.050	1		02/24/24 18:12	16984-48-8	
Sulfate	**758**	mg/L	17.0	8.5	17		02/25/24 06:35	14808-79-8	M1

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ANALYTICAL RESULTS

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Sample: HAM-PT-04 **Lab ID: 92714999004** Collected: 02/21/24 10:30 Received: 02/22/24 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**4.6**	mg/L	0.040	0.025	1	02/28/24 18:17	03/02/24 09:28	7439-89-6	
Manganese	**11.1**	mg/L	0.040	0.011	1	02/28/24 18:17	03/02/24 09:28	7439-96-5	
Potassium	**8.6**	mg/L	0.50	0.15	1	02/28/24 18:17	03/02/24 09:28	7440-09-7	
Sodium	**163**	mg/L	1.0	0.58	1	02/28/24 18:17	03/02/24 09:28	7440-23-5	
Calcium	**244**	mg/L	1.0	0.12	1	02/28/24 18:17	03/02/24 09:28	7440-70-2	
Magnesium	**20.2**	mg/L	0.050	0.012	1	02/28/24 18:17	03/02/24 09:28	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	02/27/24 11:00	02/29/24 18:41	7440-36-0	
Arsenic	**0.0086J**	mg/L	0.010	0.00084	1	02/27/24 11:00	02/29/24 18:41	7440-38-2	
Barium	**0.045**	mg/L	0.0050	0.00047	1	02/27/24 11:00	02/29/24 18:41	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	02/27/24 11:00	02/29/24 18:41	7440-41-7	
Boron	**6.2**	mg/L	0.040	0.012	1	02/27/24 11:00	02/29/24 18:41	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	02/27/24 11:00	02/29/24 18:41	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	02/27/24 11:00	02/29/24 18:41	7440-47-3	
Cobalt	**0.039**	mg/L	0.0050	0.00032	1	02/27/24 11:00	02/29/24 18:41	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	02/27/24 11:00	02/29/24 18:41	7439-92-1	
Lithium	**0.0031J**	mg/L	0.030	0.0016	1	02/27/24 11:00	02/29/24 18:41	7439-93-2	
Molybdenum	**0.0011J**	mg/L	0.010	0.00062	1	02/27/24 11:00	02/29/24 18:41	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	02/27/24 11:00	02/29/24 18:41	7782-49-2	
Thallium	**0.00053J**	mg/L	0.0010	0.00038	1	02/27/24 11:00	02/29/24 18:41	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	03/04/24 13:00	03/04/24 16:21	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1370**	mg/L	25.0	25.0	1		02/28/24 11:56		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**412**	mg/L	5.0	5.0	1		02/29/24 19:38		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/29/24 19:38		
Alkalinity, Total as CaCO3	**412**	mg/L	5.0	5.0	1		02/29/24 19:38		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/24/24 03:53	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**113**	mg/L	10.0	6.0	10		02/25/24 07:48	16887-00-6	

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ANALYTICAL RESULTS

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Sample: HAM-PT-04 **Lab ID: 92714999004** Collected: 02/21/24 10:30 Received: 02/22/24 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.13**	mg/L	0.10	0.050	1		02/24/24 18:57	16984-48-8	
Sulfate	**451**	mg/L	10.0	5.0	10		02/25/24 07:48	14808-79-8	

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ANALYTICAL RESULTS

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Sample: HAM-PT-05 **Lab ID: 92714999005** Collected: 02/20/24 15:40 Received: 02/22/24 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Sodium	**458**	mg/L	5.0	2.9	5	02/28/24 18:17	03/04/24 09:04	7440-23-5	
Iron	**0.21**	mg/L	0.040	0.025	1	02/28/24 18:17	03/02/24 09:30	7439-89-6	
Manganese	**3.5**	mg/L	0.040	0.011	1	02/28/24 18:17	03/02/24 09:30	7439-96-5	
Potassium	**4.3**	mg/L	0.50	0.15	1	02/28/24 18:17	03/02/24 09:30	7440-09-7	
Calcium	**186**	mg/L	1.0	0.12	1	02/28/24 18:17	03/02/24 09:30	7440-70-2	
Magnesium	**19.5**	mg/L	0.050	0.012	1	02/28/24 18:17	03/02/24 09:30	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	02/27/24 11:00	02/29/24 18:45	7440-36-0	
Arsenic	**0.0025J**	mg/L	0.010	0.00084	1	02/27/24 11:00	02/29/24 18:45	7440-38-2	
Barium	**0.042**	mg/L	0.0050	0.00047	1	02/27/24 11:00	02/29/24 18:45	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	02/27/24 11:00	02/29/24 18:45	7440-41-7	
Boron	**5.1**	mg/L	0.040	0.012	1	02/27/24 11:00	02/29/24 18:45	7440-42-8	
Cadmium	**0.00021J**	mg/L	0.00050	0.00010	1	02/27/24 11:00	02/29/24 18:45	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	02/27/24 11:00	02/29/24 18:45	7440-47-3	
Cobalt	**0.014**	mg/L	0.0050	0.00032	1	02/27/24 11:00	02/29/24 18:45	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	02/27/24 11:00	02/29/24 18:45	7439-92-1	
Lithium	**0.0031J**	mg/L	0.030	0.0016	1	02/27/24 11:00	02/29/24 18:45	7439-93-2	
Molybdenum	**0.00097J**	mg/L	0.010	0.00062	1	02/27/24 11:00	02/29/24 18:45	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	02/27/24 11:00	02/29/24 18:45	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	02/27/24 11:00	02/29/24 18:45	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	03/04/24 13:00	03/04/24 16:24	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1740**	mg/L	25.0	25.0	1		02/26/24 17:51		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**795**	mg/L	5.0	5.0	1		02/27/24 19:01		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/27/24 19:01		
Alkalinity, Total as CaCO3	**795**	mg/L	5.0	5.0	1		02/27/24 19:01		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/24/24 03:45	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**99.1**	mg/L	10.0	6.0	10		02/25/24 08:03	16887-00-6	

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ANALYTICAL RESULTS

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Sample: HAM-PT-05 **Lab ID: 92714999005** Collected: 02/20/24 15:40 Received: 02/22/24 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.060J**	mg/L	0.10	0.050	1		02/24/24 19:12	16984-48-8	
Sulfate	**460**	mg/L	10.0	5.0	10		02/25/24 08:03	14808-79-8	

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ANALYTICAL RESULTS

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Sample: HAM-PT-06 **Lab ID: 92714999006** Collected: 02/20/24 17:42 Received: 02/22/24 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**1.4**	mg/L	0.040	0.025	1	02/28/24 18:17	03/02/24 09:43	7439-89-6	
Manganese	**10.5**	mg/L	0.040	0.011	1	02/28/24 18:17	03/02/24 09:43	7439-96-5	
Potassium	**6.3**	mg/L	0.50	0.15	1	02/28/24 18:17	03/02/24 09:43	7440-09-7	
Sodium	**225**	mg/L	1.0	0.58	1	02/28/24 18:17	03/02/24 09:43	7440-23-5	
Calcium	**226**	mg/L	1.0	0.12	1	02/28/24 18:17	03/02/24 09:43	7440-70-2	
Magnesium	**18.7**	mg/L	0.050	0.012	1	02/28/24 18:17	03/02/24 09:43	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	02/27/24 11:00	02/29/24 18:56	7440-36-0	
Arsenic	**0.0052J**	mg/L	0.010	0.00084	1	02/27/24 11:00	02/29/24 18:56	7440-38-2	
Barium	**0.036**	mg/L	0.0050	0.00047	1	02/27/24 11:00	02/29/24 18:56	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	02/27/24 11:00	02/29/24 18:56	7440-41-7	
Boron	**6.6**	mg/L	0.040	0.012	1	02/27/24 11:00	02/29/24 18:56	7440-42-8	
Cadmium	**0.00018J**	mg/L	0.00050	0.00010	1	02/27/24 11:00	02/29/24 18:56	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	02/27/24 11:00	02/29/24 18:56	7440-47-3	
Cobalt	**0.028**	mg/L	0.0050	0.00032	1	02/27/24 11:00	02/29/24 18:56	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	02/27/24 11:00	02/29/24 18:56	7439-92-1	
Lithium	**0.0040J**	mg/L	0.030	0.0016	1	02/27/24 11:00	02/29/24 18:56	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	02/27/24 11:00	02/29/24 18:56	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	02/27/24 11:00	02/29/24 18:56	7782-49-2	
Thallium	**0.00046J**	mg/L	0.0010	0.00038	1	02/27/24 11:00	02/29/24 18:56	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	03/04/24 13:00	03/04/24 16:26	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1530**	mg/L	25.0	25.0	1		02/26/24 17:51		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**451**	mg/L	5.0	5.0	1		02/28/24 10:15		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/28/24 10:15		
Alkalinity, Total as CaCO3	**451**	mg/L	5.0	5.0	1		02/28/24 10:15		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/24/24 03:45	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**125**	mg/L	11.0	6.6	11		02/25/24 08:18	16887-00-6	

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ANALYTICAL RESULTS

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Sample: HAM-PT-06 **Lab ID: 92714999006** Collected: 02/20/24 17:42 Received: 02/22/24 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		02/24/24 19:57	16984-48-8	
Sulfate	**498**	mg/L	11.0	5.5	11		02/25/24 08:18	14808-79-8	

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ANALYTICAL RESULTS

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Sample: HAM-AP2-EB-01 **Lab ID: 92714999007** Collected: 02/21/24 10:40 Received: 02/22/24 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	ND	mg/L	0.040	0.025	1	02/28/24 18:17	03/02/24 09:45	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	02/28/24 18:17	03/02/24 09:45	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	02/28/24 18:17	03/02/24 09:45	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/28/24 18:17	03/02/24 09:45	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/28/24 18:17	03/02/24 09:45	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/28/24 18:17	03/02/24 09:45	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	02/27/24 11:00	02/29/24 19:00	7440-36-0	
Arsenic	ND	mg/L	0.010	0.00084	1	02/27/24 11:00	02/29/24 19:00	7440-38-2	
Barium	ND	mg/L	0.0050	0.00047	1	02/27/24 11:00	02/29/24 19:00	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	02/27/24 11:00	02/29/24 19:00	7440-41-7	
Boron	**0.034J**	mg/L	0.040	0.012	1	02/27/24 11:00	02/29/24 19:00	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	02/27/24 11:00	02/29/24 19:00	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	02/27/24 11:00	02/29/24 19:00	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	02/27/24 11:00	02/29/24 19:00	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	02/27/24 11:00	02/29/24 19:00	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	02/27/24 11:00	02/29/24 19:00	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	02/27/24 11:00	02/29/24 19:00	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	02/27/24 11:00	02/29/24 19:00	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	02/27/24 11:00	02/29/24 19:00	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	03/04/24 13:00	03/04/24 16:29	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**41.0**	mg/L	25.0	25.0	1		02/28/24 11:57		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/29/24 13:53		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/29/24 13:53		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/29/24 13:53		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/24/24 03:54	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/24/24 14:28	16887-00-6	

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ANALYTICAL RESULTS

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Sample: HAM-AP2-EB-01 **Lab ID: 92714999007** Collected: 02/21/24 10:40 Received: 02/22/24 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		02/24/24 14:28	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/24/24 14:28	14808-79-8	

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ANALYTICAL RESULTS

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Sample: HAM-AP2-FB-01 **Lab ID: 92714999008** Collected: 02/21/24 10:45 Received: 02/22/24 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	ND	mg/L	0.040	0.025	1	02/28/24 18:17	03/02/24 09:48	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	02/28/24 18:17	03/02/24 09:48	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	02/28/24 18:17	03/02/24 09:48	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/28/24 18:17	03/02/24 09:48	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/28/24 18:17	03/02/24 09:48	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/28/24 18:17	03/02/24 09:48	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	02/27/24 11:00	02/29/24 19:04	7440-36-0	
Arsenic	ND	mg/L	0.010	0.00084	1	02/27/24 11:00	02/29/24 19:04	7440-38-2	
Barium	ND	mg/L	0.0050	0.00047	1	02/27/24 11:00	02/29/24 19:04	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	02/27/24 11:00	02/29/24 19:04	7440-41-7	
Boron	**0.013J**	mg/L	0.040	0.012	1	02/27/24 11:00	02/29/24 19:04	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	02/27/24 11:00	02/29/24 19:04	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	02/27/24 11:00	02/29/24 19:04	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	02/27/24 11:00	02/29/24 19:04	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	02/27/24 11:00	02/29/24 19:04	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	02/27/24 11:00	02/29/24 19:04	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	02/27/24 11:00	02/29/24 19:04	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	02/27/24 11:00	02/29/24 19:04	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	02/27/24 11:00	02/29/24 19:04	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	03/04/24 13:00	03/04/24 16:32	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/28/24 11:57		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/29/24 14:08		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/29/24 14:08		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/29/24 14:08		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/24/24 03:56	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/24/24 14:43	16887-00-6	

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ANALYTICAL RESULTS

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Sample: HAM-AP2-FB-01 **Lab ID: 92714999008** Collected: 02/21/24 10:45 Received: 02/22/24 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		02/24/24 14:43	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/24/24 14:43	14808-79-8	

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ANALYTICAL RESULTS

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Sample: HAM-AP2-FD-01 **Lab ID: 92714999009** Collected: 02/20/24 00:00 Received: 02/22/24 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**12.4**	mg/L	0.040	0.025	1	02/28/24 18:17	03/02/24 09:51	7439-89-6	
Manganese	**10.5**	mg/L	0.040	0.011	1	02/28/24 18:17	03/02/24 09:51	7439-96-5	
Potassium	**7.6**	mg/L	0.50	0.15	1	02/28/24 18:17	03/02/24 09:51	7440-09-7	
Sodium	**265**	mg/L	1.0	0.58	1	02/28/24 18:17	03/02/24 09:51	7440-23-5	
Calcium	**186**	mg/L	1.0	0.12	1	02/28/24 18:17	03/02/24 09:51	7440-70-2	
Magnesium	**21.8**	mg/L	0.050	0.012	1	02/28/24 18:17	03/02/24 09:51	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	02/27/24 11:00	02/29/24 19:07	7440-36-0	
Arsenic	**0.0042J**	mg/L	0.010	0.00084	1	02/27/24 11:00	02/29/24 19:07	7440-38-2	
Barium	**0.047**	mg/L	0.0050	0.00047	1	02/27/24 11:00	02/29/24 19:07	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	02/27/24 11:00	02/29/24 19:07	7440-41-7	
Boron	**4.5**	mg/L	0.040	0.012	1	02/27/24 11:00	02/29/24 19:07	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	02/27/24 11:00	02/29/24 19:07	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	02/27/24 11:00	02/29/24 19:07	7440-47-3	
Cobalt	**0.031**	mg/L	0.0050	0.00032	1	02/27/24 11:00	02/29/24 19:07	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	02/27/24 11:00	02/29/24 19:07	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	02/27/24 11:00	02/29/24 19:07	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	02/27/24 11:00	02/29/24 19:07	7439-98-7	
Selenium	**0.0012J**	mg/L	0.0050	0.00096	1	02/27/24 11:00	02/29/24 19:07	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	02/27/24 11:00	02/29/24 19:07	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	03/04/24 13:00	03/04/24 16:34	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1410**	mg/L	25.0	25.0	1		02/26/24 17:51		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**334**	mg/L	5.0	5.0	1		02/28/24 10:23		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/28/24 10:23		
Alkalinity, Total as CaCO3	**334**	mg/L	5.0	5.0	1		02/28/24 10:23		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		02/24/24 03:46	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**91.7**	mg/L	12.0	7.2	12		02/25/24 08:32	16887-00-6	

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ANALYTICAL RESULTS

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Sample: HAM-AP2-FD-01 **Lab ID: 92714999009** Collected: 02/20/24 00:00 Received: 02/22/24 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.13**	mg/L	0.10	0.050	1		02/24/24 20:12	16984-48-8	
Sulfate	**541**	mg/L	12.0	6.0	12		02/25/24 08:32	14808-79-8	

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QUALITY CONTROL DATA

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

QC Batch: 835638
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92714999001, 92714999002, 92714999003, 92714999004, 92714999005, 92714999006, 92714999007, 92714999008, 92714999009

METHOD BLANK: 4317188 Matrix: Water
Associated Lab Samples: 92714999001, 92714999002, 92714999003, 92714999004, 92714999005, 92714999006, 92714999007, 92714999008, 92714999009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	03/02/24 08:40	
Iron	mg/L	ND	0.040	0.025	03/02/24 08:40	
Magnesium	mg/L	ND	0.050	0.012	03/02/24 08:40	
Manganese	mg/L	ND	0.040	0.011	03/02/24 08:40	
Potassium	mg/L	ND	0.50	0.15	03/02/24 08:40	
Sodium	mg/L	ND	1.0	0.58	03/02/24 08:40	

LABORATORY CONTROL SAMPLE: 4317189

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.99J	99	80-120	
Iron	mg/L	1	0.98	98	80-120	
Magnesium	mg/L	1	1.0	100	80-120	
Manganese	mg/L	1	0.95	95	80-120	
Potassium	mg/L	1	0.91	91	80-120	
Sodium	mg/L	1	0.97J	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4317190 4317191

Parameter	Units	92714723021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	2.2	1	1	3.2	3.2	100	101	75-125	0	20	
Iron	mg/L	0.69	1	1	1.7	1.7	101	102	75-125	1	20	
Magnesium	mg/L	1.0	1	1	2.0	2.1	100	104	75-125	2	20	
Manganese	mg/L	0.067	1	1	1.0	1.1	94	99	75-125	5	20	
Potassium	mg/L	2.2	1	1	3.1	3.2	97	106	75-125	3	20	
Sodium	mg/L	5.5	1	1	6.4	6.5	92	106	75-125	2	20	

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

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QUALITY CONTROL DATA

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

QC Batch: 835189
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92714999001, 92714999002, 92714999003, 92714999004, 92714999005, 92714999006, 92714999007, 92714999008, 92714999009

METHOD BLANK: 4314690 Matrix: Water
Associated Lab Samples: 92714999001, 92714999002, 92714999003, 92714999004, 92714999005, 92714999006, 92714999007, 92714999008, 92714999009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00054	02/29/24 18:11	
Arsenic	mg/L	ND	0.010	0.00084	02/29/24 18:11	
Barium	mg/L	ND	0.0050	0.00047	02/29/24 18:11	
Beryllium	mg/L	ND	0.00050	0.000094	02/29/24 18:11	
Boron	mg/L	ND	0.040	0.012	02/29/24 18:11	
Cadmium	mg/L	ND	0.00050	0.00010	02/29/24 18:11	
Chromium	mg/L	ND	0.0050	0.0019	02/29/24 18:11	
Cobalt	mg/L	ND	0.0050	0.00032	02/29/24 18:11	
Lead	mg/L	ND	0.0010	0.00016	02/29/24 18:11	
Lithium	mg/L	ND	0.030	0.0016	02/29/24 18:11	
Molybdenum	mg/L	ND	0.010	0.00062	02/29/24 18:11	
Selenium	mg/L	ND	0.0050	0.00096	02/29/24 18:11	
Thallium	mg/L	ND	0.0010	0.00038	02/29/24 18:11	

LABORATORY CONTROL SAMPLE: 4314691

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	107	80-120	
Arsenic	mg/L	0.1	0.10	102	80-120	
Barium	mg/L	0.1	0.10	102	80-120	
Beryllium	mg/L	0.1	0.10	103	80-120	
Boron	mg/L	1	0.96	96	80-120	
Cadmium	mg/L	0.1	0.10	103	80-120	
Chromium	mg/L	0.1	0.10	102	80-120	
Cobalt	mg/L	0.1	0.10	100	80-120	
Lead	mg/L	0.1	0.10	104	80-120	
Lithium	mg/L	0.1	0.10	100	80-120	
Molybdenum	mg/L	0.1	0.10	100	80-120	
Selenium	mg/L	0.1	0.10	100	80-120	
Thallium	mg/L	0.1	0.10	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4314692 4314693

Parameter	Units	92714999001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	107	107	75-125	0	20	

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QUALITY CONTROL DATA

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4314692 4314693

Parameter	Units	92714999001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	0.0033J	0.1	0.1	0.11	0.11	108	109	75-125	1	20	
Barium	mg/L	0.036	0.1	0.1	0.14	0.14	106	105	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.093	0.094	93	94	75-125	1	20	
Boron	mg/L	2.3	1	1	3.3	3.3	91	98	75-125	2	20	
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	1	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	1	20	
Cobalt	mg/L	0.014	0.1	0.1	0.11	0.11	101	101	75-125	0	20	
Lead	mg/L	0.00020J	0.1	0.1	0.097	0.097	96	97	75-125	0	20	
Lithium	mg/L	ND	0.1	0.1	0.092	0.095	92	94	75-125	3	20	
Molybdenum	mg/L	ND	0.1	0.1	0.10	0.10	103	104	75-125	1	20	
Selenium	mg/L	ND	0.1	0.1	0.11	0.11	107	106	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.098	0.098	98	98	75-125	0	20	

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QUALITY CONTROL DATA

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

QC Batch: 836469
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92714999001, 92714999002, 92714999003, 92714999004, 92714999005, 92714999006, 92714999007, 92714999008, 92714999009

METHOD BLANK: 4320726 Matrix: Water
Associated Lab Samples: 92714999001, 92714999002, 92714999003, 92714999004, 92714999005, 92714999006, 92714999007, 92714999008, 92714999009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	03/04/24 15:55	

LABORATORY CONTROL SAMPLE: 4320727

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4320728 4320729

Parameter	Units	92714999001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0025	0.0024	98	97	75-125	1	20	

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QUALITY CONTROL DATA

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

QC Batch: 834938
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92714999001

METHOD BLANK: 4313586 Matrix: Water
Associated Lab Samples: 92714999001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/26/24 14:42	

LABORATORY CONTROL SAMPLE: 4313587

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	379	95	80-120	

SAMPLE DUPLICATE: 4313588

Parameter	Units	92714128003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	73.0	80.0	9	10	

SAMPLE DUPLICATE: 4313589

Parameter	Units	92715006001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	107	103	4	10	

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QUALITY CONTROL DATA

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

QC Batch: 835037 | Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92714999002, 92714999003, 92714999005, 92714999006, 92714999009

METHOD BLANK: 4314052 Matrix: Water
Associated Lab Samples: 92714999002, 92714999003, 92714999005, 92714999006, 92714999009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/26/24 17:48	

LABORATORY CONTROL SAMPLE: 4314053

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	398	100	80-120	

SAMPLE DUPLICATE: 4314054

Parameter	Units	92714723022 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	130	204	44	10	D6

SAMPLE DUPLICATE: 4314055

Parameter	Units	92715006008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	301	315	5	10	

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QUALITY CONTROL DATA

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

QC Batch: 835492 | Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92714999004, 92714999007, 92714999008

METHOD BLANK: 4316131 Matrix: Water
Associated Lab Samples: 92714999004, 92714999007, 92714999008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/28/24 11:55	

LABORATORY CONTROL SAMPLE: 4316132

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	395	99	80-120	

SAMPLE DUPLICATE: 4316133

Parameter	Units	92714999004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1370	1380	0	10	

SAMPLE DUPLICATE: 4316134

Parameter	Units	92715026002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	309	323	4	10	

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QUALITY CONTROL DATA

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

QC Batch: 835154 | Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92714999002, 92714999003, 92714999005, 92714999006, 92714999009

METHOD BLANK: 4314543 Matrix: Water
Associated Lab Samples: 92714999002, 92714999003, 92714999005, 92714999006, 92714999009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/27/24 14:12	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/27/24 14:12	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/27/24 14:12	

LABORATORY CONTROL SAMPLE: 4314544

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.4	103	80-120	

LABORATORY CONTROL SAMPLE: 4314545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.5	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4314546 4314547

Parameter	Units	92715006001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	75.0	50	50	128	127	105	105	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4314548 4314549

Parameter	Units	92715006002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	222	50	50	269	276	94	108	80-120	3	25	

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QUALITY CONTROL DATA

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

QC Batch: 835303
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92714999001, 92714999007, 92714999008

METHOD BLANK: 4315450 Matrix: Water
Associated Lab Samples: 92714999001, 92714999007, 92714999008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/29/24 13:34	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/29/24 13:34	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/29/24 13:34	

LABORATORY CONTROL SAMPLE: 4315451

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.6	101	80-120	

LABORATORY CONTROL SAMPLE: 4315452

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.5	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4315453 4315454

Parameter	Units	92714999007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	ND	50	50	49.9	50.3	99	100	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4315455 4315456

Parameter	Units	92714999008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	ND	50	50	49.9	50.6	100	101	80-120	1	25	

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QUALITY CONTROL DATA

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

QC Batch: 835849
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92714999004

METHOD BLANK: 4318153 Matrix: Water
Associated Lab Samples: 92714999004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/29/24 17:02	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/29/24 17:02	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/29/24 17:02	

LABORATORY CONTROL SAMPLE: 4318154

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.1	98	80-120	

LABORATORY CONTROL SAMPLE: 4318155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.1	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4318156 4318157

Parameter	Units	92715028003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	178	50	50	226	226	95	96	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4318158 4318159

Parameter	Units	92715028004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	152	50	50	199	198	95	92	80-120	1	25	

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QUALITY CONTROL DATA

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

QC Batch: 834777
QC Batch Method: SM 4500-S2D-2011
Analysis Method: SM 4500-S2D-2011
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92714999001

METHOD BLANK: 4313100 Matrix: Water
Associated Lab Samples: 92714999001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	02/24/24 03:24	

LABORATORY CONTROL SAMPLE: 4313101

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.52	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4313102 4313103

Parameter	Units	92713565020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.47	0.47	93	94	80-120	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4313118 4313119

Parameter	Units	92714717002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.50	0.52	101	105	80-120	4	10	

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QUALITY CONTROL DATA

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

QC Batch: 834778
QC Batch Method: SM 4500-S2D-2011
Analysis Method: SM 4500-S2D-2011
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92714999002, 92714999003, 92714999004, 92714999005, 92714999006, 92714999007, 92714999009

METHOD BLANK: 4313106 Matrix: Water
Associated Lab Samples: 92714999002, 92714999003, 92714999004, 92714999005, 92714999006, 92714999007, 92714999009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	02/24/24 03:42	

LABORATORY CONTROL SAMPLE: 4313107

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.53	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4313108 4313109

Parameter	Units	92714999002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	ND	ND	4	1	80-120		10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4313110 4313111

Parameter	Units	92715006013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.54	0.55	108	109	80-120	1	10	

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QUALITY CONTROL DATA

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

QC Batch: 834779
QC Batch Method: SM 4500-S2D-2011
Analysis Method: SM 4500-S2D-2011
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92714999008

METHOD BLANK: 4313112 Matrix: Water
Associated Lab Samples: 92714999008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	02/24/24 03:55	

LABORATORY CONTROL SAMPLE: 4313113

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4313114 4313115

Parameter	Units	92714999008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.51	0.52	103	105	80-120	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4313116 4313117

Parameter	Units	92715135007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.58	0.60	116	120	80-120	3	10	

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(704)875-9092

QUALITY CONTROL DATA

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

QC Batch: 834798
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92714999001, 92714999002, 92714999003, 92714999004, 92714999005, 92714999006, 92714999007, 92714999008, 92714999009

METHOD BLANK: 4313142 Matrix: Water
Associated Lab Samples: 92714999001, 92714999002, 92714999003, 92714999004, 92714999005, 92714999006, 92714999007, 92714999008, 92714999009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/24/24 12:59	
Fluoride	mg/L	ND	0.10	0.050	02/24/24 12:59	
Sulfate	mg/L	ND	1.0	0.50	02/24/24 12:59	

LABORATORY CONTROL SAMPLE: 4313143

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.8	98	90-110	
Fluoride	mg/L	2.5	2.5	100	90-110	
Sulfate	mg/L	50	49.5	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4313144 4313145

Parameter	Units	92713565020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	150	50	50	190	191	80	81	90-110	1	10	M1
Fluoride	mg/L	0.16	2.5	2.5	2.8	2.7	104	103	90-110	1	10	
Sulfate	mg/L	1060	50	50	1100	1100	85	89	90-110	0	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4313146 4313147

Parameter	Units	92714999003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	96.0	50	50	136	135	79	79	90-110	0	10	M1
Fluoride	mg/L	0.57	2.5	2.5	3.1	3.2	102	105	90-110	2	10	
Sulfate	mg/L	758	50	50	787	780	58	45	90-110	1	10	M1

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92714999001	**HAM-PT-01**	EPA 3010A	835638	EPA 6010D	835688
92714999002	**HAM-PT-02**	EPA 3010A	835638	EPA 6010D	835688
92714999003	**HAM-PT-03**	EPA 3010A	835638	EPA 6010D	835688
92714999004	**HAM-PT-04**	EPA 3010A	835638	EPA 6010D	835688
92714999005	**HAM-PT-05**	EPA 3010A	835638	EPA 6010D	835688
92714999006	**HAM-PT-06**	EPA 3010A	835638	EPA 6010D	835688
92714999007	**HAM-AP2-EB-01**	EPA 3010A	835638	EPA 6010D	835688
92714999008	**HAM-AP2-FB-01**	EPA 3010A	835638	EPA 6010D	835688
92714999009	**HAM-AP2-FD-01**	EPA 3010A	835638	EPA 6010D	835688
92714999001	**HAM-PT-01**	EPA 3005A	835189	EPA 6020B	835295
92714999002	**HAM-PT-02**	EPA 3005A	835189	EPA 6020B	835295
92714999003	**HAM-PT-03**	EPA 3005A	835189	EPA 6020B	835295
92714999004	**HAM-PT-04**	EPA 3005A	835189	EPA 6020B	835295
92714999005	**HAM-PT-05**	EPA 3005A	835189	EPA 6020B	835295
92714999006	**HAM-PT-06**	EPA 3005A	835189	EPA 6020B	835295
92714999007	**HAM-AP2-EB-01**	EPA 3005A	835189	EPA 6020B	835295
92714999008	**HAM-AP2-FB-01**	EPA 3005A	835189	EPA 6020B	835295
92714999009	**HAM-AP2-FD-01**	EPA 3005A	835189	EPA 6020B	835295
92714999001	**HAM-PT-01**	EPA 7470A	836469	EPA 7470A	836556
92714999002	**HAM-PT-02**	EPA 7470A	836469	EPA 7470A	836556
92714999003	**HAM-PT-03**	EPA 7470A	836469	EPA 7470A	836556
92714999004	**HAM-PT-04**	EPA 7470A	836469	EPA 7470A	836556
92714999005	**HAM-PT-05**	EPA 7470A	836469	EPA 7470A	836556
92714999006	**HAM-PT-06**	EPA 7470A	836469	EPA 7470A	836556
92714999007	**HAM-AP2-EB-01**	EPA 7470A	836469	EPA 7470A	836556
92714999008	**HAM-AP2-FB-01**	EPA 7470A	836469	EPA 7470A	836556
92714999009	**HAM-AP2-FD-01**	EPA 7470A	836469	EPA 7470A	836556
92714999001	**HAM-PT-01**	SM 2540C-2015	834938		
92714999002	**HAM-PT-02**	SM 2540C-2015	835037		
92714999003	**HAM-PT-03**	SM 2540C-2015	835037		
92714999004	**HAM-PT-04**	SM 2540C-2015	835492		
92714999005	**HAM-PT-05**	SM 2540C-2015	835037		
92714999006	**HAM-PT-06**	SM 2540C-2015	835037		
92714999007	**HAM-AP2-EB-01**	SM 2540C-2015	835492		
92714999008	**HAM-AP2-FB-01**	SM 2540C-2015	835492		
92714999009	**HAM-AP2-FD-01**	SM 2540C-2015	835037		
92714999001	**HAM-PT-01**	SM 2320B-2011	835303		
92714999002	**HAM-PT-02**	SM 2320B-2011	835154		
92714999003	**HAM-PT-03**	SM 2320B-2011	835154		
92714999004	**HAM-PT-04**	SM 2320B-2011	835849		
92714999005	**HAM-PT-05**	SM 2320B-2011	835154		
92714999006	**HAM-PT-06**	SM 2320B-2011	835154		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Hammond AP-2 (CA)
Pace Project No.: 92714999

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92714999007	**HAM-AP2-EB-01**	SM 2320B-2011	835303		
92714999008	**HAM-AP2-FB-01**	SM 2320B-2011	835303		
92714999009	**HAM-AP2-FD-01**	SM 2320B-2011	835154		
92714999001	**HAM-PT-01**	SM 4500-S2D-2011	834777		
92714999002	**HAM-PT-02**	SM 4500-S2D-2011	834778		
92714999003	**HAM-PT-03**	SM 4500-S2D-2011	834778		
92714999004	**HAM-PT-04**	SM 4500-S2D-2011	834778		
92714999005	**HAM-PT-05**	SM 4500-S2D-2011	834778		
92714999006	**HAM-PT-06**	SM 4500-S2D-2011	834778		
92714999007	**HAM-AP2-EB-01**	SM 4500-S2D-2011	834778		
92714999008	**HAM-AP2-FB-01**	SM 4500-S2D-2011	834779		
92714999009	**HAM-AP2-FD-01**	SM 4500-S2D-2011	834778		
92714999001	**HAM-PT-01**	EPA 300.0 Rev 2.1 1993	834798		
92714999002	**HAM-PT-02**	EPA 300.0 Rev 2.1 1993	834798		
92714999003	**HAM-PT-03**	EPA 300.0 Rev 2.1 1993	834798		
92714999004	**HAM-PT-04**	EPA 300.0 Rev 2.1 1993	834798		
92714999005	**HAM-PT-05**	EPA 300.0 Rev 2.1 1993	834798		
92714999006	**HAM-PT-06**	EPA 300.0 Rev 2.1 1993	834798		
92714999007	**HAM-AP2-EB-01**	EPA 300.0 Rev 2.1 1993	834798		
92714999008	**HAM-AP2-FB-01**	EPA 300.0 Rev 2.1 1993	834798		
92714999009	**HAM-AP2-FD-01**	EPA 300.0 Rev 2.1 1993	834798		

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Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-HUN1-0083 v03_Sample Condition Upon Receipt
	Effective Date: 12/01/2023

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Ga Power

Project #: WO# : 92714999

92714999

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other:

Custody Seal Present? ☑ Yes ☐ No **Seals Intact?** ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 7/22/24 SM

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

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

Cooler Temp: 3.1 **Correction Factor:** Add/Subtract (°C) 0.1

Cooler Temp Corrected (°C): 3.2

Temp should be above freezing to 6°C

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

USDA Regulated Soil (☐ N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

WO# : 92714999

PM: BV Due Date: 03/07/24

CLIENT: 92- GP-HAM

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

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

Project #

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

***Check all unpreserved Nitrates for chlorine

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

pH Adjustment Log for Preserved Samples

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

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

Pace Analytical
www.pacelabs.com

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:	GA Power
Address:	Atlanta, GA
Email To:	SCS Contacts
Phone:	Fax:
Requested Due Date/TAT:	10 Day

Section B Required Project Information:

Report To:	SCS Contacts
Copy To:	Geosyntec Contacts
Purchase Order No.:	GPC82474-0001
Project Name:	Hammond AP-2
Project Number:	

Section C Invoice Information:

Attention:	Southern Co.
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Bonnie Vang
Pace Profile #:	10839

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Chloride, Fluoride, Sulfate	Full App. III and IV metals	Major Ions (Profile 10839-2); TDS													Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																		Requested Analysis Filtered (Y/N)	N	N	N	N														
1	HAM-PT-01	WG	G	2/19/2024	1708			17	5	3		1					1		X	X	X	X											N	9271499 W1
2	HAM-PT-02	WG	G	2/20/2024	1207			17	5	3		1					1		X	X	X	X											N	W2
3	HAM-PT-03	WG	G	2/20/2024	1030			15	5	3		1					1		X	X	X	X											N	W3
4	HAM-PT-04	WG	G	2/21/2024	1030			18	5	3		1					1		X	X	X	X											N	W4
5	HAM-PT-05	WG	G	2/20/2024	1540	TK		19	5	3		1					1		X	X	X	X											N	W5
6	HAM-PT-06	WG	G	2/20/2024	1742	2/21/2024		17	5	3		1					1		X	X	X	X											N	W6
7	HAM-AP2-EB-01	WQ	G	2/21/2024	1040			17	5	3		1					1		X	X	X	X											N	W7
8	HAM-AP2-FB-01	WQ	G	2/21/2024	1045			17	5	3		1					1		X	X	X	X											N	W8
9	HAM-AP2-FD-01	WG	G	2/20/2024	0000			17	5	3		1					1		X	X	X	X											N	W9
10																																	
11						TK 2/21/2024																												
12																																	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Task Code: HAM-CCR-CA-20240221	Thomas Hessler / Geosyntec	2/22/2024	1110	Ryan Williams / Pace	2/22/2024	1110	
	Ryan Williams / Pace	2/22/2024	1545	Charles Finch	2/22/24	1545	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: T. Hessler J. Tracey / Geosyntec Consultants, Inc.

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 02/21/2024

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

May 24, 2024

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Hammond AP-2
Pace Project No.: 92730671

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on May 14, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

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

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

Sincerely,

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

Enclosures

cc: Kip Gray, Geosyntec
Christine Hug, Geosyntec Consultants, Inc.
Thomas Kessler, Geosyntec Consultants
Whitney Law, Geosyntec Consultants
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec Consultants, Inc
Anthony Szwast, Geosyntec Consultants

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Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Hammond AP-2
Pace Project No.: 92730671

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315
Georgia DW Inorganics Certification #: 812
North Carolina Certification #: 381
South Carolina Certification #: 98011001
Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Hammond AP-2
Pace Project No.: 92730671

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92730671001	**HAM-PT-01**	Water	05/13/24 09:54	05/14/24 12:45
92730671002	**HAM-PT-02**	Water	05/13/24 11:07	05/14/24 12:45
92730671003	**HAM-PT-03**	Water	05/13/24 12:24	05/14/24 12:45
92730671004	**HAM-PT-04**	Water	05/13/24 14:45	05/14/24 12:45
92730671005	**HAM-PT-05**	Water	05/13/24 15:54	05/14/24 12:45
92730671006	**HAM-PT-06**	Water	05/13/24 17:18	05/14/24 12:45
92730671007	**HAM-AP2-EB-01**	Water	05/13/24 17:45	05/14/24 12:45
92730671008	**HAM-AP2-FB-01**	Water	05/13/24 17:37	05/14/24 12:45
92730671009	**HAM-AP2-FD-01**	Water	05/13/24 00:00	05/14/24 12:45

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SAMPLE ANALYTE COUNT

Project: Hammond AP-2
Pace Project No.: 92730671

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92730671001	**HAM-PT-01**	EPA 6010D	AJM	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92730671002	**HAM-PT-02**	EPA 6010D	AJM	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92730671003	**HAM-PT-03**	EPA 6010D	AJM	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92730671004	**HAM-PT-04**	EPA 6010D	AJM	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92730671005	**HAM-PT-05**	EPA 6010D	AJM	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92730671006	**HAM-PT-06**	EPA 6010D	AJM	6
		EPA 6020B	CW1	13

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Hammond AP-2
Pace Project No.: 92730671

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92730671007	**HAM-AP2-EB-01**	EPA 6010D	AJM	6
		EPA 6020B	CW1, MT1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92730671008	**HAM-AP2-FB-01**	EPA 6010D	AJM	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92730671009	**HAM-AP2-FD-01**	EPA 6010D	AJM	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3

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

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SUMMARY OF DETECTION

Project: Hammond AP-2
Pace Project No.: 92730671

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92730671001	**HAM-PT-01**					
EPA 6010D	Potassium	19.2	mg/L	0.50	05/20/24 22:19	
EPA 6010D	Calcium	63.3	mg/L	1.0	05/20/24 22:19	
EPA 6010D	Magnesium	7.6	mg/L	0.050	05/20/24 22:19	
EPA 6010D	Iron	4.1	mg/L	0.040	05/22/24 18:39	
EPA 6010D	Manganese	1.4	mg/L	0.040	05/22/24 18:39	
EPA 6010D	Sodium	41.0	mg/L	1.0	05/22/24 18:39	
EPA 6020B	Arsenic	0.0017J	mg/L	0.0050	05/21/24 15:40	B
EPA 6020B	Barium	0.027	mg/L	0.0050	05/21/24 15:40	
EPA 6020B	Boron	1.8	mg/L	0.040	05/21/24 15:40	
EPA 6020B	Cobalt	0.0051	mg/L	0.0050	05/21/24 15:40	
SM 2540C-2015	Total Dissolved Solids	399	mg/L	25.0	05/15/24 12:29	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	143	mg/L	5.0	05/22/24 16:01	
SM 2320B-2011	Alkalinity, Total as CaCO3	143	mg/L	5.0	05/22/24 16:01	
SM 4500-S2D-2011	Sulfide	0.044J	mg/L	0.10	05/16/24 06:01	
EPA 300.0 Rev 2.1 1993	Chloride	13.5	mg/L	1.0	05/15/24 03:52	
EPA 300.0 Rev 2.1 1993	Fluoride	0.20	mg/L	0.10	05/15/24 03:52	
EPA 300.0 Rev 2.1 1993	Sulfate	134	mg/L	3.0	05/15/24 12:31	
92730671002	**HAM-PT-02**					
EPA 6010D	Potassium	5.3	mg/L	0.50	05/20/24 22:22	M1
EPA 6010D	Calcium	218	mg/L	1.0	05/20/24 22:22	M1
EPA 6010D	Magnesium	23.8	mg/L	0.050	05/20/24 22:22	M1
EPA 6010D	Iron	7.9	mg/L	0.040	05/22/24 18:42	M1
EPA 6010D	Manganese	9.2	mg/L	0.040	05/22/24 18:42	M1
EPA 6010D	Sodium	209	mg/L	1.0	05/22/24 18:42	M1
EPA 6020B	Antimony	0.0011J	mg/L	0.0030	05/21/24 15:54	
EPA 6020B	Arsenic	0.0016J	mg/L	0.0050	05/21/24 15:54	B
EPA 6020B	Barium	0.040	mg/L	0.0050	05/21/24 15:54	
EPA 6020B	Boron	5.4	mg/L	0.040	05/21/24 15:54	
EPA 6020B	Cobalt	0.027	mg/L	0.0050	05/21/24 15:54	
SM 2540C-2015	Total Dissolved Solids	1460	mg/L	50.0	05/15/24 12:30	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	263	mg/L	5.0	05/22/24 16:09	
SM 2320B-2011	Alkalinity, Total as CaCO3	263	mg/L	5.0	05/22/24 16:09	
EPA 300.0 Rev 2.1 1993	Chloride	112	mg/L	14.0	05/15/24 12:46	
EPA 300.0 Rev 2.1 1993	Fluoride	0.12	mg/L	0.10	05/15/24 04:07	
EPA 300.0 Rev 2.1 1993	Sulfate	690	mg/L	14.0	05/15/24 12:46	
92730671003	**HAM-PT-03**					
EPA 6010D	Potassium	5.4	mg/L	0.50	05/20/24 22:36	
EPA 6010D	Calcium	242	mg/L	1.0	05/20/24 22:36	
EPA 6010D	Magnesium	24.0	mg/L	0.050	05/20/24 22:36	
EPA 6010D	Manganese	4.7	mg/L	0.040	05/22/24 18:53	
EPA 6010D	Sodium	42.9	mg/L	1.0	05/22/24 18:53	
EPA 6020B	Arsenic	0.0028J	mg/L	0.0050	05/21/24 15:58	B
EPA 6020B	Barium	0.019	mg/L	0.0050	05/21/24 15:58	
EPA 6020B	Beryllium	0.0015	mg/L	0.00050	05/21/24 15:58	
EPA 6020B	Boron	5.9	mg/L	0.040	05/21/24 15:58	
EPA 6020B	Cadmium	0.00051	mg/L	0.00050	05/21/24 15:58	

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SUMMARY OF DETECTION

Project: Hammond AP-2
Pace Project No.: 92730671

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92730671003	**HAM-PT-03**					
EPA 6020B	Cobalt	0.075	mg/L	0.0050	05/21/24 15:58	
EPA 6020B	Lead	0.0012	mg/L	0.0010	05/21/24 15:58	
EPA 6020B	Selenium	0.0078	mg/L	0.0050	05/21/24 15:58	
SM 2540C-2015	Total Dissolved Solids	1230	mg/L	50.0	05/15/24 12:30	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	9.2	mg/L	5.0	05/22/24 16:18	
SM 2320B-2011	Alkalinity, Total as CaCO3	9.2	mg/L	5.0	05/22/24 16:18	
EPA 300.0 Rev 2.1 1993	Chloride	91.0	mg/L	1.0	05/15/24 04:21	
EPA 300.0 Rev 2.1 1993	Fluoride	0.48	mg/L	0.10	05/15/24 04:21	
EPA 300.0 Rev 2.1 1993	Sulfate	656	mg/L	13.0	05/15/24 13:01	
92730671004	**HAM-PT-04**					
EPA 6010D	Potassium	7.6	mg/L	0.50	05/20/24 22:40	
EPA 6010D	Calcium	257	mg/L	1.0	05/20/24 22:40	
EPA 6010D	Magnesium	21.1	mg/L	0.050	05/20/24 22:40	
EPA 6010D	Iron	5.2	mg/L	0.040	05/22/24 18:57	
EPA 6010D	Manganese	13.3	mg/L	0.040	05/22/24 18:57	
EPA 6010D	Sodium	125	mg/L	1.0	05/22/24 18:57	
EPA 6020B	Arsenic	0.0058	mg/L	0.0050	05/21/24 16:02	B
EPA 6020B	Barium	0.035	mg/L	0.0050	05/21/24 16:02	
EPA 6020B	Boron	6.6	mg/L	0.040	05/21/24 16:02	
EPA 6020B	Cobalt	0.039	mg/L	0.0050	05/21/24 16:02	
EPA 6020B	Lithium	0.0028J	mg/L	0.030	05/21/24 16:02	
EPA 6020B	Molybdenum	0.00072J	mg/L	0.010	05/21/24 16:02	
EPA 6020B	Thallium	0.00046J	mg/L	0.0010	05/21/24 16:02	
SM 2540C-2015	Total Dissolved Solids	1320	mg/L	50.0	05/15/24 12:30	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	343	mg/L	5.0	05/22/24 16:24	
SM 2320B-2011	Alkalinity, Total as CaCO3	343	mg/L	5.0	05/22/24 16:24	
EPA 300.0 Rev 2.1 1993	Chloride	123	mg/L	10.0	05/15/24 13:15	
EPA 300.0 Rev 2.1 1993	Fluoride	0.081J	mg/L	0.10	05/15/24 05:45	
EPA 300.0 Rev 2.1 1993	Sulfate	462	mg/L	10.0	05/15/24 13:15	
92730671005	**HAM-PT-05**					
EPA 6010D	Sodium	389	mg/L	5.0	05/21/24 19:42	
EPA 6010D	Iron	0.40	mg/L	0.040	05/22/24 19:00	
EPA 6010D	Manganese	3.1	mg/L	0.040	05/22/24 19:00	
EPA 6010D	Potassium	4.7	mg/L	0.50	05/20/24 22:44	
EPA 6010D	Calcium	167	mg/L	1.0	05/20/24 22:44	
EPA 6010D	Magnesium	17.3	mg/L	0.050	05/20/24 22:44	
EPA 6020B	Barium	0.034	mg/L	0.0050	05/21/24 16:06	
EPA 6020B	Boron	5.3	mg/L	0.040	05/21/24 16:06	
EPA 6020B	Cadmium	0.00010J	mg/L	0.00050	05/21/24 16:06	
EPA 6020B	Cobalt	0.012	mg/L	0.0050	05/21/24 16:06	
EPA 6020B	Lithium	0.0032J	mg/L	0.030	05/21/24 16:06	
EPA 6020B	Molybdenum	0.00086J	mg/L	0.010	05/21/24 16:06	
SM 2540C-2015	Total Dissolved Solids	1600	mg/L	50.0	05/15/24 12:30	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	766	mg/L	5.0	05/22/24 18:57	
SM 2320B-2011	Alkalinity, Total as CaCO3	766	mg/L	5.0	05/22/24 18:57	
EPA 300.0 Rev 2.1 1993	Chloride	104	mg/L	9.0	05/15/24 13:30	

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SUMMARY OF DETECTION

Project: Hammond AP-2
Pace Project No.: 92730671

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92730671005	**HAM-PT-05**					
EPA 300.0 Rev 2.1 1993	Fluoride	0.079J	mg/L	0.10	05/15/24 06:00	
EPA 300.0 Rev 2.1 1993	Sulfate	452	mg/L	9.0	05/15/24 13:30	
92730671006	**HAM-PT-06**					
EPA 6010D	Sodium	146	mg/L	1.0	05/21/24 19:46	
EPA 6010D	Iron	0.94	mg/L	0.040	05/22/24 19:03	
EPA 6010D	Manganese	12.3	mg/L	0.040	05/22/24 19:03	
EPA 6010D	Potassium	6.2	mg/L	0.50	05/20/24 22:54	
EPA 6010D	Calcium	244	mg/L	1.0	05/20/24 22:54	
EPA 6010D	Magnesium	20.3	mg/L	0.050	05/20/24 22:54	
EPA 6020B	Arsenic	0.0021J	mg/L	0.0050	05/21/24 16:22	B
EPA 6020B	Barium	0.030	mg/L	0.0050	05/21/24 16:22	
EPA 6020B	Boron	6.9	mg/L	0.040	05/21/24 16:22	
EPA 6020B	Cadmium	0.00015J	mg/L	0.00050	05/21/24 16:22	
EPA 6020B	Cobalt	0.028	mg/L	0.0050	05/21/24 16:22	
EPA 6020B	Lithium	0.0038J	mg/L	0.030	05/21/24 16:22	
SM 2540C-2015	Total Dissolved Solids	1420	mg/L	50.0	05/15/24 12:30	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	342	mg/L	5.0	05/22/24 19:06	
SM 2320B-2011	Alkalinity, Total as CaCO3	342	mg/L	5.0	05/22/24 19:06	
EPA 300.0 Rev 2.1 1993	Chloride	136	mg/L	10.0	05/15/24 13:44	
EPA 300.0 Rev 2.1 1993	Fluoride	0.063J	mg/L	0.10	05/15/24 06:15	
EPA 300.0 Rev 2.1 1993	Sulfate	505	mg/L	10.0	05/15/24 13:44	
92730671007	**HAM-AP2-EB-01**					
EPA 6010D	Potassium	0.18J	mg/L	0.50	05/20/24 22:58	
92730671008	**HAM-AP2-FB-01**					
EPA 6020B	Boron	0.018J	mg/L	0.040	05/21/24 16:29	
SM 2540C-2015	Total Dissolved Solids	53.0	mg/L	25.0	05/15/24 12:31	
92730671009	**HAM-AP2-FD-01**					
EPA 6010D	Potassium	18.9	mg/L	0.50	05/20/24 23:06	
EPA 6010D	Calcium	63.2	mg/L	1.0	05/20/24 23:06	
EPA 6010D	Magnesium	7.6	mg/L	0.050	05/20/24 23:06	
EPA 6010D	Iron	4.1	mg/L	0.040	05/22/24 19:22	
EPA 6010D	Manganese	1.4	mg/L	0.040	05/22/24 19:22	
EPA 6010D	Sodium	41.7	mg/L	1.0	05/22/24 19:22	
EPA 6020B	Barium	0.027	mg/L	0.0050	05/21/24 16:33	
EPA 6020B	Boron	1.7	mg/L	0.040	05/21/24 16:33	
EPA 6020B	Cobalt	0.0050	mg/L	0.0050	05/21/24 16:33	
SM 2540C-2015	Total Dissolved Solids	399	mg/L	25.0	05/15/24 12:31	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	144	mg/L	5.0	05/22/24 17:04	
SM 2320B-2011	Alkalinity, Total as CaCO3	144	mg/L	5.0	05/22/24 17:04	
EPA 300.0 Rev 2.1 1993	Chloride	13.5	mg/L	1.0	05/15/24 06:30	
EPA 300.0 Rev 2.1 1993	Fluoride	0.17	mg/L	0.10	05/15/24 06:30	
EPA 300.0 Rev 2.1 1993	Sulfate	136	mg/L	3.0	05/15/24 13:59	M1

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92730671

Sample: HAM-PT-01 **Lab ID: 92730671001** Collected: 05/13/24 09:54 Received: 05/14/24 12:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Potassium	**19.2**	mg/L	0.50	0.15	1	05/15/24 14:33	05/20/24 22:19	7440-09-7	
Calcium	**63.3**	mg/L	1.0	0.12	1	05/15/24 14:33	05/20/24 22:19	7440-70-2	
Magnesium	**7.6**	mg/L	0.050	0.012	1	05/15/24 14:33	05/20/24 22:19	7439-95-4	
Iron	**4.1**	mg/L	0.040	0.025	1	05/15/24 14:33	05/22/24 18:39	7439-89-6	
Manganese	**1.4**	mg/L	0.040	0.011	1	05/15/24 14:33	05/22/24 18:39	7439-96-5	
Sodium	**41.0**	mg/L	1.0	0.58	1	05/15/24 14:33	05/22/24 18:39	7440-23-5	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	05/15/24 14:21	05/21/24 15:40	7440-36-0	
Arsenic	**0.0017J**	mg/L	0.0050	0.00084	1	05/15/24 14:21	05/21/24 15:40	7440-38-2	B
Barium	**0.027**	mg/L	0.0050	0.00047	1	05/15/24 14:21	05/21/24 15:40	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	05/15/24 14:21	05/21/24 15:40	7440-41-7	
Boron	**1.8**	mg/L	0.040	0.012	1	05/15/24 14:21	05/21/24 15:40	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	05/15/24 14:21	05/21/24 15:40	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	05/15/24 14:21	05/21/24 15:40	7440-47-3	
Cobalt	**0.0051**	mg/L	0.0050	0.00032	1	05/15/24 14:21	05/21/24 15:40	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	05/15/24 14:21	05/21/24 15:40	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	05/15/24 14:21	05/21/24 15:40	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	05/15/24 14:21	05/21/24 15:40	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	05/15/24 14:21	05/21/24 15:40	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	05/15/24 14:21	05/21/24 15:40	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	05/20/24 11:30	05/20/24 14:14	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**399**	mg/L	25.0	25.0	1		05/15/24 12:29		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**143**	mg/L	5.0	5.0	1		05/22/24 16:01		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/22/24 16:01		
Alkalinity, Total as CaCO3	**143**	mg/L	5.0	5.0	1		05/22/24 16:01		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**0.044J**	mg/L	0.10	0.022	1		05/16/24 06:01	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**13.5**	mg/L	1.0	0.60	1		05/15/24 03:52	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92730671

Sample: HAM-PT-01 **Lab ID: 92730671001** Collected: 05/13/24 09:54 Received: 05/14/24 12:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.20**	mg/L	0.10	0.050	1		05/15/24 03:52	16984-48-8	
Sulfate	**134**	mg/L	3.0	1.5	3		05/15/24 12:31	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92730671

Sample: HAM-PT-02 **Lab ID: 92730671002** Collected: 05/13/24 11:07 Received: 05/14/24 12:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Potassium	**5.3**	mg/L	0.50	0.15	1	05/15/24 14:33	05/20/24 22:22	7440-09-7	M1
Calcium	**218**	mg/L	1.0	0.12	1	05/15/24 14:33	05/20/24 22:22	7440-70-2	M1
Magnesium	**23.8**	mg/L	0.050	0.012	1	05/15/24 14:33	05/20/24 22:22	7439-95-4	M1
Iron	**7.9**	mg/L	0.040	0.025	1	05/15/24 14:33	05/22/24 18:42	7439-89-6	M1
Manganese	**9.2**	mg/L	0.040	0.011	1	05/15/24 14:33	05/22/24 18:42	7439-96-5	M1
Sodium	**209**	mg/L	1.0	0.58	1	05/15/24 14:33	05/22/24 18:42	7440-23-5	M1
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	**0.0011J**	mg/L	0.0030	0.00054	1	05/15/24 14:21	05/21/24 15:54	7440-36-0	
Arsenic	**0.0016J**	mg/L	0.0050	0.00084	1	05/15/24 14:21	05/21/24 15:54	7440-38-2	B
Barium	**0.040**	mg/L	0.0050	0.00047	1	05/15/24 14:21	05/21/24 15:54	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	05/15/24 14:21	05/21/24 15:54	7440-41-7	
Boron	**5.4**	mg/L	0.040	0.012	1	05/15/24 14:21	05/21/24 15:54	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	05/15/24 14:21	05/21/24 15:54	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	05/15/24 14:21	05/21/24 15:54	7440-47-3	
Cobalt	**0.027**	mg/L	0.0050	0.00032	1	05/15/24 14:21	05/21/24 15:54	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	05/15/24 14:21	05/21/24 15:54	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	05/15/24 14:21	05/21/24 15:54	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	05/15/24 14:21	05/21/24 15:54	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	05/15/24 14:21	05/21/24 15:54	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	05/15/24 14:21	05/21/24 15:54	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	05/20/24 11:30	05/20/24 14:21	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1460**	mg/L	50.0	50.0	1		05/15/24 12:30		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**263**	mg/L	5.0	5.0	1		05/22/24 16:09		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/22/24 16:09		
Alkalinity, Total as CaCO3	**263**	mg/L	5.0	5.0	1		05/22/24 16:09		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		05/16/24 06:02	18496-25-8	M1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**112**	mg/L	14.0	8.4	14		05/15/24 12:46	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92730671

Sample: HAM-PT-02 **Lab ID: 92730671002** Collected: 05/13/24 11:07 Received: 05/14/24 12:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.12**	mg/L	0.10	0.050	1		05/15/24 04:07	16984-48-8	
Sulfate	**690**	mg/L	14.0	7.0	14		05/15/24 12:46	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92730671

Sample: HAM-PT-03 **Lab ID: 92730671003** Collected: 05/13/24 12:24 Received: 05/14/24 12:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Potassium	**5.4**	mg/L	0.50	0.15	1	05/15/24 14:33	05/20/24 22:36	7440-09-7	
Calcium	**242**	mg/L	1.0	0.12	1	05/15/24 14:33	05/20/24 22:36	7440-70-2	
Magnesium	**24.0**	mg/L	0.050	0.012	1	05/15/24 14:33	05/20/24 22:36	7439-95-4	
Iron	ND	mg/L	0.040	0.025	1	05/15/24 14:33	05/22/24 18:53	7439-89-6	
Manganese	**4.7**	mg/L	0.040	0.011	1	05/15/24 14:33	05/22/24 18:53	7439-96-5	
Sodium	**42.9**	mg/L	1.0	0.58	1	05/15/24 14:33	05/22/24 18:53	7440-23-5	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	05/15/24 14:21	05/21/24 15:58	7440-36-0	
Arsenic	**0.0028J**	mg/L	0.0050	0.00084	1	05/15/24 14:21	05/21/24 15:58	7440-38-2	B
Barium	**0.019**	mg/L	0.0050	0.00047	1	05/15/24 14:21	05/21/24 15:58	7440-39-3	
Beryllium	**0.0015**	mg/L	0.00050	0.000094	1	05/15/24 14:21	05/21/24 15:58	7440-41-7	
Boron	**5.9**	mg/L	0.040	0.012	1	05/15/24 14:21	05/21/24 15:58	7440-42-8	
Cadmium	**0.00051**	mg/L	0.00050	0.00010	1	05/15/24 14:21	05/21/24 15:58	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	05/15/24 14:21	05/21/24 15:58	7440-47-3	
Cobalt	**0.075**	mg/L	0.0050	0.00032	1	05/15/24 14:21	05/21/24 15:58	7440-48-4	
Lead	**0.0012**	mg/L	0.0010	0.00016	1	05/15/24 14:21	05/21/24 15:58	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	05/15/24 14:21	05/21/24 15:58	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	05/15/24 14:21	05/21/24 15:58	7439-98-7	
Selenium	**0.0078**	mg/L	0.0050	0.00096	1	05/15/24 14:21	05/21/24 15:58	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	05/15/24 14:21	05/21/24 15:58	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	05/20/24 11:30	05/20/24 14:24	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1230**	mg/L	50.0	50.0	1		05/15/24 12:30		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**9.2**	mg/L	5.0	5.0	1		05/22/24 16:18		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/22/24 16:18		
Alkalinity, Total as CaCO3	**9.2**	mg/L	5.0	5.0	1		05/22/24 16:18		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		05/16/24 06:03	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**91.0**	mg/L	1.0	0.60	1		05/15/24 04:21	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92730671

Sample: HAM-PT-03 **Lab ID: 92730671003** Collected: 05/13/24 12:24 Received: 05/14/24 12:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.48**	mg/L	0.10	0.050	1		05/15/24 04:21	16984-48-8	
Sulfate	**656**	mg/L	13.0	6.5	13		05/15/24 13:01	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92730671

Sample: HAM-PT-04 **Lab ID: 92730671004** Collected: 05/13/24 14:45 Received: 05/14/24 12:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Potassium	**7.6**	mg/L	0.50	0.15	1	05/15/24 14:33	05/20/24 22:40	7440-09-7	
Calcium	**257**	mg/L	1.0	0.12	1	05/15/24 14:33	05/20/24 22:40	7440-70-2	
Magnesium	**21.1**	mg/L	0.050	0.012	1	05/15/24 14:33	05/20/24 22:40	7439-95-4	
Iron	**5.2**	mg/L	0.040	0.025	1	05/15/24 14:33	05/22/24 18:57	7439-89-6	
Manganese	**13.3**	mg/L	0.040	0.011	1	05/15/24 14:33	05/22/24 18:57	7439-96-5	
Sodium	**125**	mg/L	1.0	0.58	1	05/15/24 14:33	05/22/24 18:57	7440-23-5	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	05/15/24 14:21	05/21/24 16:02	7440-36-0	
Arsenic	**0.0058**	mg/L	0.0050	0.00084	1	05/15/24 14:21	05/21/24 16:02	7440-38-2	B
Barium	**0.035**	mg/L	0.0050	0.00047	1	05/15/24 14:21	05/21/24 16:02	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	05/15/24 14:21	05/21/24 16:02	7440-41-7	
Boron	**6.6**	mg/L	0.040	0.012	1	05/15/24 14:21	05/21/24 16:02	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	05/15/24 14:21	05/21/24 16:02	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	05/15/24 14:21	05/21/24 16:02	7440-47-3	
Cobalt	**0.039**	mg/L	0.0050	0.00032	1	05/15/24 14:21	05/21/24 16:02	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	05/15/24 14:21	05/21/24 16:02	7439-92-1	
Lithium	**0.0028J**	mg/L	0.030	0.0016	1	05/15/24 14:21	05/21/24 16:02	7439-93-2	
Molybdenum	**0.00072J**	mg/L	0.010	0.00062	1	05/15/24 14:21	05/21/24 16:02	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	05/15/24 14:21	05/21/24 16:02	7782-49-2	
Thallium	**0.00046J**	mg/L	0.0010	0.00038	1	05/15/24 14:21	05/21/24 16:02	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	05/20/24 11:30	05/20/24 14:35	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1320**	mg/L	50.0	50.0	1		05/15/24 12:30		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**343**	mg/L	5.0	5.0	1		05/22/24 16:24		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/22/24 16:24		
Alkalinity, Total as CaCO3	**343**	mg/L	5.0	5.0	1		05/22/24 16:24		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		05/16/24 06:03	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**123**	mg/L	10.0	6.0	10		05/15/24 13:15	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92730671

Sample: HAM-PT-04 **Lab ID: 92730671004** Collected: 05/13/24 14:45 Received: 05/14/24 12:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.081J**	mg/L	0.10	0.050	1		05/15/24 05:45	16984-48-8	
Sulfate	**462**	mg/L	10.0	5.0	10		05/15/24 13:15	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92730671

Sample: HAM-PT-05 **Lab ID: 92730671005** Collected: 05/13/24 15:54 Received: 05/14/24 12:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Sodium	**389**	mg/L	5.0	2.9	5	05/15/24 14:33	05/21/24 19:42	7440-23-5	
Iron	**0.40**	mg/L	0.040	0.025	1	05/15/24 14:33	05/22/24 19:00	7439-89-6	
Manganese	**3.1**	mg/L	0.040	0.011	1	05/15/24 14:33	05/22/24 19:00	7439-96-5	
Potassium	**4.7**	mg/L	0.50	0.15	1	05/15/24 14:33	05/20/24 22:44	7440-09-7	
Calcium	**167**	mg/L	1.0	0.12	1	05/15/24 14:33	05/20/24 22:44	7440-70-2	
Magnesium	**17.3**	mg/L	0.050	0.012	1	05/15/24 14:33	05/20/24 22:44	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	05/15/24 14:21	05/21/24 16:06	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	05/15/24 14:21	05/21/24 16:06	7440-38-2	
Barium	**0.034**	mg/L	0.0050	0.00047	1	05/15/24 14:21	05/21/24 16:06	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	05/15/24 14:21	05/21/24 16:06	7440-41-7	
Boron	**5.3**	mg/L	0.040	0.012	1	05/15/24 14:21	05/21/24 16:06	7440-42-8	
Cadmium	**0.00010J**	mg/L	0.00050	0.00010	1	05/15/24 14:21	05/21/24 16:06	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	05/15/24 14:21	05/21/24 16:06	7440-47-3	
Cobalt	**0.012**	mg/L	0.0050	0.00032	1	05/15/24 14:21	05/21/24 16:06	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	05/15/24 14:21	05/21/24 16:06	7439-92-1	
Lithium	**0.0032J**	mg/L	0.030	0.0016	1	05/15/24 14:21	05/21/24 16:06	7439-93-2	
Molybdenum	**0.00086J**	mg/L	0.010	0.00062	1	05/15/24 14:21	05/21/24 16:06	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	05/15/24 14:21	05/21/24 16:06	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	05/15/24 14:21	05/21/24 16:06	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	05/20/24 11:30	05/20/24 14:37	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1600**	mg/L	50.0	50.0	1		05/15/24 12:30		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**766**	mg/L	5.0	5.0	1		05/22/24 18:57		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/22/24 18:57		
Alkalinity, Total as CaCO3	**766**	mg/L	5.0	5.0	1		05/22/24 18:57		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		05/16/24 06:04	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**104**	mg/L	9.0	5.4	9		05/15/24 13:30	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92730671

Sample: HAM-PT-05 **Lab ID: 92730671005** Collected: 05/13/24 15:54 Received: 05/14/24 12:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.079J**	mg/L	0.10	0.050	1		05/15/24 06:00	16984-48-8	
Sulfate	**452**	mg/L	9.0	4.5	9		05/15/24 13:30	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92730671

Sample: HAM-PT-06 **Lab ID: 92730671006** Collected: 05/13/24 17:18 Received: 05/14/24 12:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Sodium	**146**	mg/L	1.0	0.58	1	05/15/24 14:33	05/21/24 19:46	7440-23-5	
Iron	**0.94**	mg/L	0.040	0.025	1	05/15/24 14:33	05/22/24 19:03	7439-89-6	
Manganese	**12.3**	mg/L	0.040	0.011	1	05/15/24 14:33	05/22/24 19:03	7439-96-5	
Potassium	**6.2**	mg/L	0.50	0.15	1	05/15/24 14:33	05/20/24 22:54	7440-09-7	
Calcium	**244**	mg/L	1.0	0.12	1	05/15/24 14:33	05/20/24 22:54	7440-70-2	
Magnesium	**20.3**	mg/L	0.050	0.012	1	05/15/24 14:33	05/20/24 22:54	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	05/15/24 14:21	05/21/24 16:22	7440-36-0	
Arsenic	**0.0021J**	mg/L	0.0050	0.00084	1	05/15/24 14:21	05/21/24 16:22	7440-38-2	B
Barium	**0.030**	mg/L	0.0050	0.00047	1	05/15/24 14:21	05/21/24 16:22	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	05/15/24 14:21	05/21/24 16:22	7440-41-7	
Boron	**6.9**	mg/L	0.040	0.012	1	05/15/24 14:21	05/21/24 16:22	7440-42-8	
Cadmium	**0.00015J**	mg/L	0.00050	0.00010	1	05/15/24 14:21	05/21/24 16:22	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	05/15/24 14:21	05/21/24 16:22	7440-47-3	
Cobalt	**0.028**	mg/L	0.0050	0.00032	1	05/15/24 14:21	05/21/24 16:22	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	05/15/24 14:21	05/21/24 16:22	7439-92-1	
Lithium	**0.0038J**	mg/L	0.030	0.0016	1	05/15/24 14:21	05/21/24 16:22	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	05/15/24 14:21	05/21/24 16:22	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	05/15/24 14:21	05/21/24 16:22	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	05/15/24 14:21	05/21/24 16:22	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	05/20/24 11:30	05/20/24 14:40	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1420**	mg/L	50.0	50.0	1		05/15/24 12:30		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**342**	mg/L	5.0	5.0	1		05/22/24 19:06		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/22/24 19:06		
Alkalinity, Total as CaCO3	**342**	mg/L	5.0	5.0	1		05/22/24 19:06		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		05/16/24 06:04	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**136**	mg/L	10.0	6.0	10		05/15/24 13:44	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92730671

Sample: HAM-PT-06 **Lab ID: 92730671006** Collected: 05/13/24 17:18 Received: 05/14/24 12:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.063J**	mg/L	0.10	0.050	1		05/15/24 06:15	16984-48-8	
Sulfate	**505**	mg/L	10.0	5.0	10		05/15/24 13:44	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92730671

Sample: HAM-AP2-EB-01 **Lab ID: 92730671007** Collected: 05/13/24 17:45 Received: 05/14/24 12:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Manganese	ND	mg/L	0.040	0.011	1	05/15/24 14:33	05/20/24 22:58	7439-96-5	
Potassium	**0.18J**	mg/L	0.50	0.15	1	05/15/24 14:33	05/20/24 22:58	7440-09-7	
Calcium	ND	mg/L	1.0	0.12	1	05/15/24 14:33	05/20/24 22:58	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	05/15/24 14:33	05/20/24 22:58	7439-95-4	
Iron	ND	mg/L	0.040	0.025	1	05/15/24 14:33	05/22/24 19:14	7439-89-6	
Sodium	ND	mg/L	1.0	0.58	1	05/15/24 14:33	05/22/24 19:14	7440-23-5	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	05/15/24 14:21	05/21/24 16:26	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	05/15/24 14:21	05/21/24 16:26	7440-38-2	
Barium	ND	mg/L	0.0050	0.00047	1	05/15/24 14:21	05/21/24 16:26	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	05/15/24 14:21	05/21/24 16:26	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	05/15/24 14:21	05/22/24 12:23	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	05/15/24 14:21	05/21/24 16:26	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	05/15/24 14:21	05/21/24 16:26	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	05/15/24 14:21	05/21/24 16:26	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	05/15/24 14:21	05/21/24 16:26	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	05/15/24 14:21	05/21/24 16:26	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	05/15/24 14:21	05/21/24 16:26	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	05/15/24 14:21	05/21/24 16:26	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	05/15/24 14:21	05/21/24 16:26	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	05/20/24 11:30	05/20/24 14:42	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		05/15/24 12:31		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/22/24 16:47		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/22/24 16:47		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		05/22/24 16:47		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		05/16/24 06:04	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		05/15/24 00:58	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92730671

Sample: HAM-AP2-EB-01 **Lab ID: 92730671007** Collected: 05/13/24 17:45 Received: 05/14/24 12:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		05/15/24 00:58	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		05/15/24 00:58	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92730671

Sample: HAM-AP2-FB-01 **Lab ID: 92730671008** Collected: 05/13/24 17:37 Received: 05/14/24 12:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	ND	mg/L	0.040	0.025	1	05/15/24 14:33	05/22/24 19:18	7439-89-6	
Sodium	ND	mg/L	1.0	0.58	1	05/15/24 14:33	05/22/24 19:18	7440-23-5	
Manganese	ND	mg/L	0.040	0.011	1	05/15/24 14:33	05/20/24 23:02	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	05/15/24 14:33	05/20/24 23:02	7440-09-7	
Calcium	ND	mg/L	1.0	0.12	1	05/15/24 14:33	05/20/24 23:02	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	05/15/24 14:33	05/20/24 23:02	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	05/15/24 14:21	05/21/24 16:29	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	05/15/24 14:21	05/21/24 16:29	7440-38-2	
Barium	ND	mg/L	0.0050	0.00047	1	05/15/24 14:21	05/21/24 16:29	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	05/15/24 14:21	05/21/24 16:29	7440-41-7	
Boron	**0.018J**	mg/L	0.040	0.012	1	05/15/24 14:21	05/21/24 16:29	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	05/15/24 14:21	05/21/24 16:29	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	05/15/24 14:21	05/21/24 16:29	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	05/15/24 14:21	05/21/24 16:29	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	05/15/24 14:21	05/21/24 16:29	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	05/15/24 14:21	05/21/24 16:29	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	05/15/24 14:21	05/21/24 16:29	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	05/15/24 14:21	05/21/24 16:29	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	05/15/24 14:21	05/21/24 16:29	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	05/20/24 11:30	05/20/24 14:50	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**53.0**	mg/L	25.0	25.0	1		05/15/24 12:31		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/22/24 17:00		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/22/24 17:00		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		05/22/24 17:00		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		05/16/24 06:06	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		05/15/24 02:37	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92730671

Sample: HAM-AP2-FB-01 **Lab ID: 92730671008** Collected: 05/13/24 17:37 Received: 05/14/24 12:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		05/15/24 02:37	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		05/15/24 02:37	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92730671

Sample: HAM-AP2-FD-01 **Lab ID: 92730671009** Collected: 05/13/24 00:00 Received: 05/14/24 12:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Potassium	**18.9**	mg/L	0.50	0.15	1	05/15/24 14:33	05/20/24 23:06	7440-09-7	
Calcium	**63.2**	mg/L	1.0	0.12	1	05/15/24 14:33	05/20/24 23:06	7440-70-2	
Magnesium	**7.6**	mg/L	0.050	0.012	1	05/15/24 14:33	05/20/24 23:06	7439-95-4	
Iron	**4.1**	mg/L	0.040	0.025	1	05/15/24 14:33	05/22/24 19:22	7439-89-6	
Manganese	**1.4**	mg/L	0.040	0.011	1	05/15/24 14:33	05/22/24 19:22	7439-96-5	
Sodium	**41.7**	mg/L	1.0	0.58	1	05/15/24 14:33	05/22/24 19:22	7440-23-5	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	05/15/24 14:21	05/21/24 16:33	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	05/15/24 14:21	05/21/24 16:33	7440-38-2	
Barium	**0.027**	mg/L	0.0050	0.00047	1	05/15/24 14:21	05/21/24 16:33	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	05/15/24 14:21	05/21/24 16:33	7440-41-7	
Boron	**1.7**	mg/L	0.040	0.012	1	05/15/24 14:21	05/21/24 16:33	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	05/15/24 14:21	05/21/24 16:33	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	05/15/24 14:21	05/21/24 16:33	7440-47-3	
Cobalt	**0.0050**	mg/L	0.0050	0.00032	1	05/15/24 14:21	05/21/24 16:33	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	05/15/24 14:21	05/21/24 16:33	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	05/15/24 14:21	05/21/24 16:33	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	05/15/24 14:21	05/21/24 16:33	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	05/15/24 14:21	05/21/24 16:33	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	05/15/24 14:21	05/21/24 16:33	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	05/20/24 11:30	05/20/24 14:53	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**399**	mg/L	25.0	25.0	1		05/15/24 12:31		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**144**	mg/L	5.0	5.0	1		05/22/24 17:04		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		05/22/24 17:04		
Alkalinity, Total as CaCO3	**144**	mg/L	5.0	5.0	1		05/22/24 17:04		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		05/16/24 06:06	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**13.5**	mg/L	1.0	0.60	1		05/15/24 06:30	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2
Pace Project No.: 92730671

Sample: HAM-AP2-FD-01 **Lab ID: 92730671009** Collected: 05/13/24 00:00 Received: 05/14/24 12:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.17**	mg/L	0.10	0.050	1		05/15/24 06:30	16984-48-8	
Sulfate	**136**	mg/L	3.0	1.5	3		05/15/24 13:59	14808-79-8	M1

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92730671

QC Batch: 854790
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92730671001, 92730671002, 92730671003, 92730671004, 92730671005, 92730671006, 92730671007, 92730671008, 92730671009

METHOD BLANK: 4410396 Matrix: Water
Associated Lab Samples: 92730671001, 92730671002, 92730671003, 92730671004, 92730671005, 92730671006, 92730671007, 92730671008, 92730671009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	05/20/24 22:12	
Iron	mg/L	ND	0.040	0.025	05/22/24 18:32	
Magnesium	mg/L	ND	0.050	0.012	05/20/24 22:12	
Manganese	mg/L	ND	0.040	0.011	05/20/24 22:12	
Potassium	mg/L	ND	0.50	0.15	05/20/24 22:12	
Sodium	mg/L	ND	1.0	0.58	05/22/24 18:32	

LABORATORY CONTROL SAMPLE: 4410397

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	103	80-120	
Iron	mg/L	1	1.0	103	80-120	
Magnesium	mg/L	1	1.1	105	80-120	
Manganese	mg/L	1	1.0	100	80-120	
Potassium	mg/L	1	1.0	103	80-120	
Sodium	mg/L	1	1.1	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4410398 4410399

Parameter	Units	92730671002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	218	1	1	222	227	357	866	75-125	2	20	M1
Iron	mg/L	7.9	1	1	9.0	9.3	111	131	75-125	2	20	M1
Magnesium	mg/L	23.8	1	1	25.4	25.9	164	217	75-125	2	20	M1
Manganese	mg/L	9.2	1	1	9.7	10	47	76	75-125	3	20	M1
Potassium	mg/L	5.3	1	1	6.6	6.8	131	148	75-125	3	20	M1
Sodium	mg/L	209	1	1	211	216	198	768	75-125	3	20	M1

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92730671

QC Batch: 854789
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92730671001, 92730671002, 92730671003, 92730671004, 92730671005, 92730671006, 92730671007, 92730671008, 92730671009

METHOD BLANK: 4410392 Matrix: Water
Associated Lab Samples: 92730671001, 92730671002, 92730671003, 92730671004, 92730671005, 92730671006, 92730671007, 92730671008, 92730671009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00054	05/21/24 15:32	
Arsenic	mg/L	0.0011J	0.0050	0.00084	05/21/24 15:32	
Barium	mg/L	ND	0.0050	0.00047	05/21/24 15:32	
Beryllium	mg/L	ND	0.00050	0.000094	05/21/24 15:32	
Boron	mg/L	ND	0.040	0.012	05/21/24 15:32	
Cadmium	mg/L	ND	0.00050	0.00010	05/21/24 15:32	
Chromium	mg/L	ND	0.0050	0.0019	05/21/24 15:32	
Cobalt	mg/L	ND	0.0050	0.00032	05/21/24 15:32	
Lead	mg/L	ND	0.0010	0.00016	05/21/24 15:32	
Lithium	mg/L	ND	0.030	0.0016	05/21/24 15:32	
Molybdenum	mg/L	ND	0.010	0.00062	05/21/24 15:32	
Selenium	mg/L	ND	0.0050	0.00096	05/21/24 15:32	
Thallium	mg/L	ND	0.0010	0.00038	05/21/24 15:32	

LABORATORY CONTROL SAMPLE: 4410393

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	103	80-120	
Arsenic	mg/L	0.1	0.10	102	80-120	
Barium	mg/L	0.1	0.097	97	80-120	
Beryllium	mg/L	0.1	0.11	108	80-120	
Boron	mg/L	1	1.1	106	80-120	
Cadmium	mg/L	0.1	0.10	101	80-120	
Chromium	mg/L	0.1	0.10	101	80-120	
Cobalt	mg/L	0.1	0.098	98	80-120	
Lead	mg/L	0.1	0.099	99	80-120	
Lithium	mg/L	0.1	0.11	108	80-120	
Molybdenum	mg/L	0.1	0.10	101	80-120	
Selenium	mg/L	0.1	0.10	100	80-120	
Thallium	mg/L	0.1	0.097	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4410394 4410395

Parameter	Units	92730671001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	103	104	75-125	1	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92730671

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4410394 4410395

Parameter	Units	92730671001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	0.0017J	0.1	0.1	0.10	0.10	102	103	75-125	0	20	
Barium	mg/L	0.027	0.1	0.1	0.13	0.13	104	102	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.098	0.097	98	97	75-125	1	20	
Boron	mg/L	1.8	1	1	2.8	2.7	97	88	75-125	3	20	
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	102	101	75-125	1	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.098	100	98	75-125	2	20	
Cobalt	mg/L	0.0051	0.1	0.1	0.10	0.10	98	98	75-125	0	20	
Lead	mg/L	ND	0.1	0.1	0.094	0.094	94	94	75-125	0	20	
Lithium	mg/L	ND	0.1	0.1	0.10	0.10	101	100	75-125	2	20	
Molybdenum	mg/L	ND	0.1	0.1	0.10	0.10	101	102	75-125	0	20	
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	100	102	75-125	2	20	
Thallium	mg/L	ND	0.1	0.1	0.092	0.093	92	93	75-125	1	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92730671

QC Batch: 855735
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92730671001, 92730671002, 92730671003, 92730671004, 92730671005, 92730671006, 92730671007, 92730671008, 92730671009

METHOD BLANK: 4415100 Matrix: Water
Associated Lab Samples: 92730671001, 92730671002, 92730671003, 92730671004, 92730671005, 92730671006, 92730671007, 92730671008, 92730671009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	05/20/24 14:08	

LABORATORY CONTROL SAMPLE: 4415101

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0029	115	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4415102 4415103

Parameter	Units	92730671003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0022	0.0023	89	90	75-125	1	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92730671

QC Batch: 854678
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92730671001, 92730671002, 92730671003, 92730671004, 92730671005, 92730671006, 92730671007, 92730671008, 92730671009

METHOD BLANK: 4409845 Matrix: Water
Associated Lab Samples: 92730671001, 92730671002, 92730671003, 92730671004, 92730671005, 92730671006, 92730671007, 92730671008, 92730671009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	05/15/24 12:28	

LABORATORY CONTROL SAMPLE: 4409846

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	380	95	80-120	

SAMPLE DUPLICATE: 4409847

Parameter	Units	92730671001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	399	381	5	10	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92730671

QC Batch: 856335
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92730671001, 92730671002, 92730671003, 92730671004, 92730671005, 92730671006, 92730671007, 92730671008, 92730671009

METHOD BLANK: 4417944 Matrix: Water
Associated Lab Samples: 92730671001, 92730671002, 92730671003, 92730671004, 92730671005, 92730671006, 92730671007, 92730671008, 92730671009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	05/22/24 15:43	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	05/22/24 15:43	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	05/22/24 15:43	

LABORATORY CONTROL SAMPLE: 4417945

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

LABORATORY CONTROL SAMPLE: 4417946

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.6	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4417947 4417948

Parameter	Units	92731542007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	33.5	50	50	84.4	83.6	102	100	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4417949 4417950

Parameter	Units	92731542008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	51.0	50	50	102	103	103	103	80-120	0	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92730671

QC Batch: 854607
QC Batch Method: SM 4500-S2D-2011
Analysis Method: SM 4500-S2D-2011
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92730671001, 92730671002, 92730671003, 92730671004, 92730671005, 92730671006, 92730671007, 92730671008, 92730671009

METHOD BLANK: 4409627 Matrix: Water
Associated Lab Samples: 92730671001, 92730671002, 92730671003, 92730671004, 92730671005, 92730671006, 92730671007, 92730671008, 92730671009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	05/16/24 05:56	

LABORATORY CONTROL SAMPLE: 4409628

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.53	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4409629 4409630

Parameter	Units	92730671002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.086J	0.064J	17	13	80-120		10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4409631 4409632

Parameter	Units	92730671007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.54	0.54	108	108	80-120	0	10	

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QUALITY CONTROL DATA

Project: Hammond AP-2
Pace Project No.: 92730671

QC Batch: 854545
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92730671001, 92730671002, 92730671003, 92730671004, 92730671005, 92730671006, 92730671007, 92730671008, 92730671009

METHOD BLANK: 4409395 Matrix: Water
Associated Lab Samples: 92730671001, 92730671002, 92730671003, 92730671004, 92730671005, 92730671006, 92730671007, 92730671008, 92730671009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	05/14/24 20:45	
Fluoride	mg/L	ND	0.10	0.050	05/14/24 20:45	
Sulfate	mg/L	ND	1.0	0.50	05/14/24 20:45	

LABORATORY CONTROL SAMPLE: 4409396

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.7	103	90-110	
Fluoride	mg/L	2.5	2.7	108	90-110	
Sulfate	mg/L	50	52.7	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4409397 4409398

Parameter	Units	92730545001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	62.5	50	50	108	108	90	92	90-110	1	10	
Fluoride	mg/L	0.93	2.5	2.5	3.4	3.4	101	97	90-110	3	10	
Sulfate	mg/L	15.7	50	50	62.3	61.6	93	92	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4409399 4409400

Parameter	Units	92730671009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	13.5	50	50	65.0	66.9	103	107	90-110	3	10	
Fluoride	mg/L	0.17	2.5	2.5	2.6	2.7	98	103	90-110	5	10	
Sulfate	mg/L	136	50	50	180	186	89	101	90-110	3	10	M1

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QUALIFIERS

Project: Hammond AP-2
Pace Project No.: 92730671

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hammond AP-2
Pace Project No.: 92730671

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92730671001	**HAM-PT-01**	EPA 3010A	854790	EPA 6010D	854842
92730671002	**HAM-PT-02**	EPA 3010A	854790	EPA 6010D	854842
92730671003	**HAM-PT-03**	EPA 3010A	854790	EPA 6010D	854842
92730671004	**HAM-PT-04**	EPA 3010A	854790	EPA 6010D	854842
92730671005	**HAM-PT-05**	EPA 3010A	854790	EPA 6010D	854842
92730671006	**HAM-PT-06**	EPA 3010A	854790	EPA 6010D	854842
92730671007	**HAM-AP2-EB-01**	EPA 3010A	854790	EPA 6010D	854842
92730671008	**HAM-AP2-FB-01**	EPA 3010A	854790	EPA 6010D	854842
92730671009	**HAM-AP2-FD-01**	EPA 3010A	854790	EPA 6010D	854842
92730671001	**HAM-PT-01**	EPA 3005A	854789	EPA 6020B	854915
92730671002	**HAM-PT-02**	EPA 3005A	854789	EPA 6020B	854915
92730671003	**HAM-PT-03**	EPA 3005A	854789	EPA 6020B	854915
92730671004	**HAM-PT-04**	EPA 3005A	854789	EPA 6020B	854915
92730671005	**HAM-PT-05**	EPA 3005A	854789	EPA 6020B	854915
92730671006	**HAM-PT-06**	EPA 3005A	854789	EPA 6020B	854915
92730671007	**HAM-AP2-EB-01**	EPA 3005A	854789	EPA 6020B	854915
92730671008	**HAM-AP2-FB-01**	EPA 3005A	854789	EPA 6020B	854915
92730671009	**HAM-AP2-FD-01**	EPA 3005A	854789	EPA 6020B	854915
92730671001	**HAM-PT-01**	EPA 7470A	855735	EPA 7470A	855836
92730671002	**HAM-PT-02**	EPA 7470A	855735	EPA 7470A	855836
92730671003	**HAM-PT-03**	EPA 7470A	855735	EPA 7470A	855836
92730671004	**HAM-PT-04**	EPA 7470A	855735	EPA 7470A	855836
92730671005	**HAM-PT-05**	EPA 7470A	855735	EPA 7470A	855836
92730671006	**HAM-PT-06**	EPA 7470A	855735	EPA 7470A	855836
92730671007	**HAM-AP2-EB-01**	EPA 7470A	855735	EPA 7470A	855836
92730671008	**HAM-AP2-FB-01**	EPA 7470A	855735	EPA 7470A	855836
92730671009	**HAM-AP2-FD-01**	EPA 7470A	855735	EPA 7470A	855836
92730671001	**HAM-PT-01**	SM 2540C-2015	854678		
92730671002	**HAM-PT-02**	SM 2540C-2015	854678		
92730671003	**HAM-PT-03**	SM 2540C-2015	854678		
92730671004	**HAM-PT-04**	SM 2540C-2015	854678		
92730671005	**HAM-PT-05**	SM 2540C-2015	854678		
92730671006	**HAM-PT-06**	SM 2540C-2015	854678		
92730671007	**HAM-AP2-EB-01**	SM 2540C-2015	854678		
92730671008	**HAM-AP2-FB-01**	SM 2540C-2015	854678		
92730671009	**HAM-AP2-FD-01**	SM 2540C-2015	854678		
92730671001	**HAM-PT-01**	SM 2320B-2011	856335		
92730671002	**HAM-PT-02**	SM 2320B-2011	856335		
92730671003	**HAM-PT-03**	SM 2320B-2011	856335		
92730671004	**HAM-PT-04**	SM 2320B-2011	856335		
92730671005	**HAM-PT-05**	SM 2320B-2011	856335		
92730671006	**HAM-PT-06**	SM 2320B-2011	856335		
92730671007	**HAM-AP2-EB-01**	SM 2320B-2011	856335		
92730671008	**HAM-AP2-FB-01**	SM 2320B-2011	856335		
92730671009	**HAM-AP2-FD-01**	SM 2320B-2011	856335		
92730671001	**HAM-PT-01**	SM 4500-S2D-2011	854607		

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hammond AP-2
Pace Project No.: 92730671

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92730671002	**HAM-PT-02**	SM 4500-S2D-2011	854607		
92730671003	**HAM-PT-03**	SM 4500-S2D-2011	854607		
92730671004	**HAM-PT-04**	SM 4500-S2D-2011	854607		
92730671005	**HAM-PT-05**	SM 4500-S2D-2011	854607		
92730671006	**HAM-PT-06**	SM 4500-S2D-2011	854607		
92730671007	**HAM-AP2-EB-01**	SM 4500-S2D-2011	854607		
92730671008	**HAM-AP2-FB-01**	SM 4500-S2D-2011	854607		
92730671009	**HAM-AP2-FD-01**	SM 4500-S2D-2011	854607		
92730671001	**HAM-PT-01**	EPA 300.0 Rev 2.1 1993	854545		
92730671002	**HAM-PT-02**	EPA 300.0 Rev 2.1 1993	854545		
92730671003	**HAM-PT-03**	EPA 300.0 Rev 2.1 1993	854545		
92730671004	**HAM-PT-04**	EPA 300.0 Rev 2.1 1993	854545		
92730671005	**HAM-PT-05**	EPA 300.0 Rev 2.1 1993	854545		
92730671006	**HAM-PT-06**	EPA 300.0 Rev 2.1 1993	854545		
92730671007	**HAM-AP2-EB-01**	EPA 300.0 Rev 2.1 1993	854545		
92730671008	**HAM-AP2-FB-01**	EPA 300.0 Rev 2.1 1993	854545		
92730671009	**HAM-AP2-FD-01**	EPA 300.0 Rev 2.1 1993	854545		

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Pace	DC#_Title: ENV-FRM-HUN1-0083 v03_Sample Condition Upon Receipt
	Effective Date: 12/01/2023

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO# : 92730671

92730671

Courier: ☐ Commercial ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Pace ☐ Other:____

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 5/14/24 DW

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

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

Cooler Temp: 4.0 Correction Factor: Add/Subtract (°C) +0.1

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

Cooler Temp Corrected (°C): 4.1

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

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

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

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

WO#: 92730671

Project #

PM: BV Due Date: 05/29/24

CLIENT: 92- GP-HAM

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

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

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

***Check all unpreserved Nitrates for chlorine

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

pH Adjustment Log for Preserved Samples

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

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

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	GA Power	Report To:	SCS Contacts	Attention:	Southern Co.
Address:	Atlanta, GA	Copy To:	Geosyntec Contacts	Company Name:	
				Address:	
Email To:	SCS Contacts	Purchase Order No.:	GPC82474-0001	Pace Quote Reference:	
Phone:	Fax:	Project Name:	Hammond AP-2	Pace Project Manager:	Bonnie Vang
Requested Due Date/TAT:	10 Day	Project Number:		Pace Profile #:	10839

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Chloride, Fluoride, Sulfate	Full App. III and IV metals	Major Ions (Profile 10839-2):	TDS	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																				Y/N	N	N	N	N		
1	HAM-PT-01		WG	G	5/13/2024	0954			17	5	3		1					1		X	X	X	X	N	001
2	HAM-PT-02		WG	G	5/13/2024	1107			16	5	3		1					1		X	X	X	X	N	002
3	HAM-PT-03		WG	G	5/13/2024	1224			16	5	3		1					1		X	X	X	X	N	003
4	HAM-PT-04		WG	G	5/13/2024	1445			18	5	3		1					1		X	X	X	X	N	004
5	HAM-PT-05		WG	G	5/13/2024	1554	AS 5/13/2024		18	5	3		1					1		X	X	X	X	N	005
6	HAM-PT-06		WG	G	5/13/2024	1718			18	5	3		1					1		X	X	X	X	N	006
7	HAM-AP2-EB-01		WQ	G	5/13/2024	1745			17	5	3		1					1		X	X	X	X	N	007
8	HAM-AP2-FB-01		WQ	G	5/13/2024	1737			17	5	3		1					1		X	X	X	X	N	008
9	HAM-AP2-FD-01		WG	G	5/13/2024	0000			17	5	3		1					1		X	X	X	X	N	009
10																										
11							AS 5/13/2024																			
12																										

92730671

Pace Project No./ Lab I.D.

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Task Code: HAM-CCR-CA-20240513	Anthony Szwast / Geosyntec	5-14-2024	1245	Ryan William / Pace	5/14/24	1245	
	Ryan Williams / Pace	5/14/2024	1445		5/14/24	1445	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Anthony Szwast / Geosyntec Consultants

SIGNATURE of SAMPLER: Anthony Szwast DATE Signed (MM/DD/YY): 05/13/24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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August 30, 2024

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on August 16, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

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

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

Sincerely,

Angela M. Baioni

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

Enclosures

cc: Kip Gray, Geosyntec
Christine Hug, Geosyntec Consultants, Inc.
Thomas Kessler, Geosyntec Consultants
Whitney Law, Geosyntec Consultants
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec Consultants, Inc
Jamie Newsome, Geosyntec Consultants
Zain Webb, Geosyntec Consultants

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CERTIFICATIONS

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315
Georgia DW Inorganics Certification #: 812
North Carolina Certification #: 381
South Carolina Certification #: 98011001
Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92748251001	**HAM-PT-01**	Water	08/15/24 12:02	08/16/24 12:50
92748251002	**HAM-PT-02**	Water	08/15/24 13:35	08/16/24 12:50
92748251003	**HAM-PT-03**	Water	08/15/24 10:45	08/16/24 12:50
92748251004	**HAM-PT-04**	Water	08/15/24 11:00	08/16/24 12:50
92748251005	**HAM-PT-05**	Water	08/15/24 13:24	08/16/24 12:50
92748251006	**HAM-PT-06**	Water	08/15/24 12:10	08/16/24 12:50
92748251007	**HAM-AP2-EB-01**	Water	08/15/24 14:15	08/16/24 12:50
92748251008	**HAM-AP2-FB-01**	Water	08/15/24 14:20	08/16/24 12:50
92748251009	**HAM-AP2-FD-01**	Water	08/15/24 00:00	08/16/24 12:50

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SAMPLE ANALYTE COUNT

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92748251001	**HAM-PT-01**	EPA 6010D	AJM, MJS2	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92748251002	**HAM-PT-02**	EPA 6010D	AJM, MJS2	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92748251003	**HAM-PT-03**	EPA 6010D	AJM, MJS2	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92748251004	**HAM-PT-04**	EPA 6010D	AJM, MJS2	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92748251005	**HAM-PT-05**	EPA 6010D	AJM, DRB, MJS2	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92748251006	**HAM-PT-06**	EPA 6010D	AJM, DRB, MJS2	6

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SAMPLE ANALYTE COUNT

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92748251007	**HAM-AP2-EB-01**	EPA 6010D	AJM, MJS2	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92748251008	**HAM-AP2-FB-01**	EPA 6010D	AJM, MJS2	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92748251009	**HAM-AP2-FD-01**	EPA 6010D	AJM, DRB, MJS2	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3

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

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SUMMARY OF DETECTION

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92748251001	**HAM-PT-01**					
EPA 6010D	Sodium	43.7	mg/L	1.0	08/25/24 17:25	
EPA 6010D	Iron	2.8	mg/L	0.040	08/23/24 02:32	
EPA 6010D	Manganese	1.1	mg/L	0.040	08/23/24 02:32	
EPA 6010D	Potassium	15.9	mg/L	0.50	08/23/24 02:32	
EPA 6010D	Calcium	54.9	mg/L	1.0	08/23/24 02:32	
EPA 6010D	Magnesium	6.3	mg/L	0.050	08/23/24 02:32	
EPA 6020B	Arsenic	0.0019J	mg/L	0.0050	08/26/24 15:08	
EPA 6020B	Barium	0.027	mg/L	0.0050	08/26/24 15:08	
EPA 6020B	Boron	2.2	mg/L	0.040	08/26/24 15:08	
EPA 6020B	Cobalt	0.0048J	mg/L	0.0050	08/26/24 15:08	
SM 2540C-2015	Total Dissolved Solids	403	mg/L	25.0	08/21/24 16:29	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	102	mg/L	5.0	08/19/24 15:24	
SM 2320B-2011	Alkalinity, Total as CaCO3	102	mg/L	5.0	08/19/24 15:24	
SM 4500-S2D-2011	Sulfide	0.036J	mg/L	0.10	08/17/24 04:31	
EPA 300.0 Rev 2.1 1993	Chloride	16.8	mg/L	1.0	08/17/24 16:31	
EPA 300.0 Rev 2.1 1993	Fluoride	0.14	mg/L	0.10	08/17/24 16:31	
EPA 300.0 Rev 2.1 1993	Sulfate	138	mg/L	3.0	08/17/24 23:15	
92748251002	**HAM-PT-02**					
EPA 6010D	Sodium	116	mg/L	1.0	08/25/24 17:29	
EPA 6010D	Iron	7.7	mg/L	0.040	08/23/24 02:36	
EPA 6010D	Manganese	5.9	mg/L	0.040	08/23/24 02:36	
EPA 6010D	Potassium	8.6	mg/L	0.50	08/23/24 02:36	
EPA 6010D	Calcium	159	mg/L	1.0	08/23/24 02:36	
EPA 6010D	Magnesium	15.8	mg/L	0.050	08/23/24 02:36	
EPA 6020B	Arsenic	0.0032J	mg/L	0.0050	08/26/24 15:12	
EPA 6020B	Barium	0.032	mg/L	0.0050	08/26/24 15:12	
EPA 6020B	Boron	4.1	mg/L	0.040	08/26/24 15:12	
EPA 6020B	Cobalt	0.018	mg/L	0.0050	08/26/24 15:12	
SM 2540C-2015	Total Dissolved Solids	854	mg/L	25.0	08/21/24 16:29	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	171	mg/L	5.0	08/21/24 18:29	
SM 2320B-2011	Alkalinity, Total as CaCO3	171	mg/L	5.0	08/21/24 18:29	
EPA 300.0 Rev 2.1 1993	Chloride	67.1	mg/L	1.0	08/17/24 16:45	
EPA 300.0 Rev 2.1 1993	Fluoride	0.085J	mg/L	0.10	08/17/24 16:45	
EPA 300.0 Rev 2.1 1993	Sulfate	356	mg/L	8.0	08/17/24 23:29	
92748251003	**HAM-PT-03**					
EPA 6010D	Manganese	5.5	mg/L	0.040	08/23/24 02:39	
EPA 6010D	Potassium	6.0	mg/L	0.50	08/23/24 02:39	
EPA 6010D	Calcium	281	mg/L	1.0	08/23/24 02:39	
EPA 6010D	Magnesium	27.9	mg/L	0.050	08/23/24 02:39	
EPA 6010D	Sodium	55.7	mg/L	1.0	08/25/24 17:32	
EPA 6020B	Arsenic	0.0048J	mg/L	0.0050	08/26/24 15:16	
EPA 6020B	Barium	0.020	mg/L	0.0050	08/26/24 15:16	
EPA 6020B	Beryllium	0.0018	mg/L	0.00050	08/26/24 15:16	
EPA 6020B	Boron	6.6	mg/L	0.040	08/26/24 15:16	
EPA 6020B	Cadmium	0.00047J	mg/L	0.00050	08/26/24 15:16	
EPA 6020B	Cobalt	0.081	mg/L	0.0050	08/26/24 15:16	

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(704)875-9092

SUMMARY OF DETECTION

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92748251003	**HAM-PT-03**					
EPA 6020B	Lead	0.0018	mg/L	0.0010	08/26/24 15:16	
EPA 6020B	Selenium	0.0071	mg/L	0.0050	08/26/24 15:16	
SM 2540C-2015	Total Dissolved Solids	1360	mg/L	25.0	08/21/24 16:30	
EPA 300.0 Rev 2.1 1993	Chloride	79.9	mg/L	17.0	08/17/24 23:43	
EPA 300.0 Rev 2.1 1993	Fluoride	0.56	mg/L	0.10	08/17/24 17:00	
EPA 300.0 Rev 2.1 1993	Sulfate	707	mg/L	17.0	08/17/24 23:43	
92748251004	**HAM-PT-04**					
EPA 6010D	Sodium	90.5	mg/L	1.0	08/25/24 17:36	
EPA 6010D	Iron	6.3	mg/L	0.040	08/23/24 02:43	
EPA 6010D	Manganese	11.5	mg/L	0.040	08/23/24 02:43	
EPA 6010D	Potassium	6.8	mg/L	0.50	08/23/24 02:43	
EPA 6010D	Calcium	249	mg/L	1.0	08/23/24 02:43	
EPA 6010D	Magnesium	20.5	mg/L	0.050	08/23/24 02:43	
EPA 6020B	Arsenic	0.0095	mg/L	0.0050	08/26/24 15:19	
EPA 6020B	Barium	0.026	mg/L	0.0050	08/26/24 15:19	
EPA 6020B	Boron	6.2	mg/L	0.040	08/26/24 15:19	
EPA 6020B	Cobalt	0.034	mg/L	0.0050	08/26/24 15:19	
EPA 6020B	Lead	0.00023J	mg/L	0.0010	08/26/24 15:19	
EPA 6020B	Lithium	0.0030J	mg/L	0.030	08/26/24 15:19	
EPA 6020B	Molybdenum	0.00071J	mg/L	0.010	08/26/24 15:19	
EPA 6020B	Thallium	0.00063J	mg/L	0.0010	08/26/24 15:19	
SM 2540C-2015	Total Dissolved Solids	1150	mg/L	25.0	08/21/24 16:30	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	327	mg/L	5.0	08/22/24 09:21	
SM 2320B-2011	Alkalinity, Total as CaCO3	327	mg/L	5.0	08/22/24 09:21	
EPA 300.0 Rev 2.1 1993	Chloride	96.7	mg/L	9.0	08/18/24 00:26	
EPA 300.0 Rev 2.1 1993	Fluoride	0.054J	mg/L	0.10	08/17/24 17:14	
EPA 300.0 Rev 2.1 1993	Sulfate	407	mg/L	9.0	08/18/24 00:26	
92748251005	**HAM-PT-05**					
EPA 6010D	Sodium	319	mg/L	5.0	08/26/24 12:27	
EPA 6010D	Iron	0.77	mg/L	0.040	08/23/24 02:53	
EPA 6010D	Manganese	4.2	mg/L	0.040	08/23/24 02:53	
EPA 6010D	Calcium	147	mg/L	1.0	08/23/24 02:53	
EPA 6010D	Magnesium	14.4	mg/L	0.050	08/23/24 02:53	
EPA 6010D	Potassium	4.4	mg/L	0.50	08/25/24 17:39	
EPA 6020B	Arsenic	0.0023J	mg/L	0.0050	08/26/24 15:23	
EPA 6020B	Barium	0.026	mg/L	0.0050	08/26/24 15:23	
EPA 6020B	Boron	5.3	mg/L	0.040	08/26/24 15:23	
EPA 6020B	Cobalt	0.0085	mg/L	0.0050	08/26/24 15:23	
EPA 6020B	Lithium	0.0024J	mg/L	0.030	08/26/24 15:23	
EPA 6020B	Molybdenum	0.0010J	mg/L	0.010	08/26/24 15:23	
SM 2540C-2015	Total Dissolved Solids	1400	mg/L	25.0	08/21/24 16:30	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	623	mg/L	5.0	08/22/24 09:32	
SM 2320B-2011	Alkalinity, Total as CaCO3	623	mg/L	5.0	08/22/24 09:32	
EPA 300.0 Rev 2.1 1993	Chloride	95.8	mg/L	9.0	08/18/24 00:40	
EPA 300.0 Rev 2.1 1993	Fluoride	0.061J	mg/L	0.10	08/17/24 17:29	
EPA 300.0 Rev 2.1 1993	Sulfate	387	mg/L	9.0	08/18/24 00:40	

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SUMMARY OF DETECTION

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92748251006	**HAM-PT-06**					
EPA 6010D	Potassium	5.9	mg/L	0.50	08/25/24 17:42	
EPA 6010D	Iron	2.1	mg/L	0.040	08/23/24 02:56	
EPA 6010D	Manganese	9.5	mg/L	0.040	08/23/24 02:56	
EPA 6010D	Calcium	223	mg/L	1.0	08/23/24 02:56	
EPA 6010D	Magnesium	20.4	mg/L	0.050	08/23/24 02:56	
EPA 6010D	Sodium	149	mg/L	5.0	08/26/24 12:30	
EPA 6020B	Arsenic	0.0043J	mg/L	0.0050	08/26/24 15:27	
EPA 6020B	Barium	0.025	mg/L	0.0050	08/26/24 15:27	
EPA 6020B	Boron	6.0	mg/L	0.040	08/26/24 15:27	
EPA 6020B	Cadmium	0.00033J	mg/L	0.00050	08/26/24 15:27	
EPA 6020B	Cobalt	0.023	mg/L	0.0050	08/26/24 15:27	
EPA 6020B	Lithium	0.0033J	mg/L	0.030	08/26/24 15:27	
EPA 6020B	Thallium	0.00051J	mg/L	0.0010	08/26/24 15:27	
SM 2540C-2015	Total Dissolved Solids	1290	mg/L	25.0	08/22/24 16:14	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	407	mg/L	5.0	08/22/24 09:41	
SM 2320B-2011	Alkalinity, Total as CaCO3	407	mg/L	5.0	08/22/24 09:41	
EPA 300.0 Rev 2.1 1993	Chloride	97.5	mg/L	10.0	08/18/24 00:54	
EPA 300.0 Rev 2.1 1993	Sulfate	408	mg/L	10.0	08/18/24 00:54	
92748251007	**HAM-AP2-EB-01**					
EPA 6020B	Boron	0.028J	mg/L	0.040	08/26/24 15:31	
SM 2540C-2015	Total Dissolved Solids	36.0	mg/L	25.0	08/22/24 16:14	
92748251008	**HAM-AP2-FB-01**					
EPA 6020B	Boron	0.013J	mg/L	0.040	08/26/24 15:34	
SM 2540C-2015	Total Dissolved Solids	52.0	mg/L	25.0	08/22/24 16:15	
92748251009	**HAM-AP2-FD-01**					
EPA 6010D	Sodium	150	mg/L	5.0	08/26/24 12:33	
EPA 6010D	Potassium	5.9	mg/L	0.50	08/25/24 17:59	
EPA 6010D	Iron	2.0	mg/L	0.040	08/23/24 03:07	
EPA 6010D	Manganese	9.6	mg/L	0.040	08/23/24 03:07	
EPA 6010D	Calcium	224	mg/L	1.0	08/23/24 03:07	
EPA 6010D	Magnesium	20.4	mg/L	0.050	08/23/24 03:07	
EPA 6020B	Arsenic	0.0043J	mg/L	0.0050	08/26/24 15:51	
EPA 6020B	Barium	0.025	mg/L	0.0050	08/26/24 15:51	
EPA 6020B	Boron	6.2	mg/L	0.040	08/26/24 15:51	
EPA 6020B	Cadmium	0.00035J	mg/L	0.00050	08/26/24 15:51	
EPA 6020B	Cobalt	0.024	mg/L	0.0050	08/26/24 15:51	
EPA 6020B	Lithium	0.0035J	mg/L	0.030	08/26/24 15:51	
EPA 6020B	Thallium	0.00053J	mg/L	0.0010	08/26/24 15:51	
SM 2540C-2015	Total Dissolved Solids	1260	mg/L	25.0	08/22/24 16:15	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	405	mg/L	5.0	08/22/24 09:50	
SM 2320B-2011	Alkalinity, Total as CaCO3	405	mg/L	5.0	08/22/24 09:50	
EPA 300.0 Rev 2.1 1993	Chloride	98.8	mg/L	10.0	08/18/24 01:08	
EPA 300.0 Rev 2.1 1993	Sulfate	413	mg/L	10.0	08/18/24 01:08	

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ANALYTICAL RESULTS

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Sample: HAM-PT-01 **Lab ID: 92748251001** Collected: 08/15/24 12:02 Received: 08/16/24 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Sodium	**43.7**	mg/L	1.0	0.58	1	08/22/24 13:55	08/25/24 17:25	7440-23-5	
Iron	**2.8**	mg/L	0.040	0.025	1	08/22/24 13:55	08/23/24 02:32	7439-89-6	
Manganese	**1.1**	mg/L	0.040	0.011	1	08/22/24 13:55	08/23/24 02:32	7439-96-5	
Potassium	**15.9**	mg/L	0.50	0.15	1	08/22/24 13:55	08/23/24 02:32	7440-09-7	
Calcium	**54.9**	mg/L	1.0	0.12	1	08/22/24 13:55	08/23/24 02:32	7440-70-2	
Magnesium	**6.3**	mg/L	0.050	0.012	1	08/22/24 13:55	08/23/24 02:32	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/23/24 12:38	08/26/24 15:08	7440-36-0	
Arsenic	**0.0019J**	mg/L	0.0050	0.00084	1	08/23/24 12:38	08/26/24 15:08	7440-38-2	
Barium	**0.027**	mg/L	0.0050	0.00047	1	08/23/24 12:38	08/26/24 15:08	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/23/24 12:38	08/26/24 15:08	7440-41-7	
Boron	**2.2**	mg/L	0.040	0.012	1	08/23/24 12:38	08/26/24 15:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/23/24 12:38	08/26/24 15:08	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	08/23/24 12:38	08/26/24 15:08	7440-47-3	
Cobalt	**0.0048J**	mg/L	0.0050	0.00032	1	08/23/24 12:38	08/26/24 15:08	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/23/24 12:38	08/26/24 15:08	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	08/23/24 12:38	08/26/24 15:08	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/23/24 12:38	08/26/24 15:08	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	08/23/24 12:38	08/26/24 15:08	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	08/23/24 12:38	08/26/24 15:08	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/24 16:10	08/30/24 09:06	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**403**	mg/L	25.0	25.0	1		08/21/24 16:29		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**102**	mg/L	5.0	5.0	1		08/19/24 15:24		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/19/24 15:24		
Alkalinity, Total as CaCO3	**102**	mg/L	5.0	5.0	1		08/19/24 15:24		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**0.036J**	mg/L	0.10	0.022	1		08/17/24 04:31	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**16.8**	mg/L	1.0	0.60	1		08/17/24 16:31	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Sample: HAM-PT-01 **Lab ID: 92748251001** Collected: 08/15/24 12:02 Received: 08/16/24 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.14**	mg/L	0.10	0.050	1		08/17/24 16:31	16984-48-8	
Sulfate	**138**	mg/L	3.0	1.5	3		08/17/24 23:15	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Sample: HAM-PT-02 **Lab ID: 92748251002** Collected: 08/15/24 13:35 Received: 08/16/24 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Sodium	**116**	mg/L	1.0	0.58	1	08/22/24 13:55	08/25/24 17:29	7440-23-5	
Iron	**7.7**	mg/L	0.040	0.025	1	08/22/24 13:55	08/23/24 02:36	7439-89-6	
Manganese	**5.9**	mg/L	0.040	0.011	1	08/22/24 13:55	08/23/24 02:36	7439-96-5	
Potassium	**8.6**	mg/L	0.50	0.15	1	08/22/24 13:55	08/23/24 02:36	7440-09-7	
Calcium	**159**	mg/L	1.0	0.12	1	08/22/24 13:55	08/23/24 02:36	7440-70-2	
Magnesium	**15.8**	mg/L	0.050	0.012	1	08/22/24 13:55	08/23/24 02:36	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/23/24 12:38	08/26/24 15:12	7440-36-0	
Arsenic	**0.0032J**	mg/L	0.0050	0.00084	1	08/23/24 12:38	08/26/24 15:12	7440-38-2	
Barium	**0.032**	mg/L	0.0050	0.00047	1	08/23/24 12:38	08/26/24 15:12	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/23/24 12:38	08/26/24 15:12	7440-41-7	
Boron	**4.1**	mg/L	0.040	0.012	1	08/23/24 12:38	08/26/24 15:12	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/23/24 12:38	08/26/24 15:12	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	08/23/24 12:38	08/26/24 15:12	7440-47-3	
Cobalt	**0.018**	mg/L	0.0050	0.00032	1	08/23/24 12:38	08/26/24 15:12	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/23/24 12:38	08/26/24 15:12	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	08/23/24 12:38	08/26/24 15:12	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/23/24 12:38	08/26/24 15:12	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	08/23/24 12:38	08/26/24 15:12	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	08/23/24 12:38	08/26/24 15:12	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/24 16:10	08/30/24 09:17	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**854**	mg/L	25.0	25.0	1		08/21/24 16:29		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**171**	mg/L	5.0	5.0	1		08/21/24 18:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/21/24 18:29		
Alkalinity, Total as CaCO3	**171**	mg/L	5.0	5.0	1		08/21/24 18:29		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/17/24 04:32	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**67.1**	mg/L	1.0	0.60	1		08/17/24 16:45	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Sample: HAM-PT-02 **Lab ID: 92748251002** Collected: 08/15/24 13:35 Received: 08/16/24 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.085J**	mg/L	0.10	0.050	1		08/17/24 16:45	16984-48-8	
Sulfate	**356**	mg/L	8.0	4.0	8		08/17/24 23:29	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Sample: HAM-PT-03 **Lab ID: 92748251003** Collected: 08/15/24 10:45 Received: 08/16/24 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	ND	mg/L	0.040	0.025	1	08/22/24 13:55	08/23/24 02:39	7439-89-6	
Manganese	**5.5**	mg/L	0.040	0.011	1	08/22/24 13:55	08/23/24 02:39	7439-96-5	
Potassium	**6.0**	mg/L	0.50	0.15	1	08/22/24 13:55	08/23/24 02:39	7440-09-7	
Calcium	**281**	mg/L	1.0	0.12	1	08/22/24 13:55	08/23/24 02:39	7440-70-2	
Magnesium	**27.9**	mg/L	0.050	0.012	1	08/22/24 13:55	08/23/24 02:39	7439-95-4	
Sodium	**55.7**	mg/L	1.0	0.58	1	08/22/24 13:55	08/25/24 17:32	7440-23-5	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/23/24 12:38	08/26/24 15:16	7440-36-0	
Arsenic	**0.0048J**	mg/L	0.0050	0.00084	1	08/23/24 12:38	08/26/24 15:16	7440-38-2	
Barium	**0.020**	mg/L	0.0050	0.00047	1	08/23/24 12:38	08/26/24 15:16	7440-39-3	
Beryllium	**0.0018**	mg/L	0.00050	0.000094	1	08/23/24 12:38	08/26/24 15:16	7440-41-7	
Boron	**6.6**	mg/L	0.040	0.012	1	08/23/24 12:38	08/26/24 15:16	7440-42-8	
Cadmium	**0.00047J**	mg/L	0.00050	0.00010	1	08/23/24 12:38	08/26/24 15:16	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	08/23/24 12:38	08/26/24 15:16	7440-47-3	
Cobalt	**0.081**	mg/L	0.0050	0.00032	1	08/23/24 12:38	08/26/24 15:16	7440-48-4	
Lead	**0.0018**	mg/L	0.0010	0.00016	1	08/23/24 12:38	08/26/24 15:16	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	08/23/24 12:38	08/26/24 15:16	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/23/24 12:38	08/26/24 15:16	7439-98-7	
Selenium	**0.0071**	mg/L	0.0050	0.00096	1	08/23/24 12:38	08/26/24 15:16	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	08/23/24 12:38	08/26/24 15:16	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/24 16:10	08/30/24 09:19	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1360**	mg/L	25.0	25.0	1		08/21/24 16:30		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/21/24 18:42		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/21/24 18:42		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/21/24 18:42		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/17/24 04:33	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**79.9**	mg/L	17.0	10.2	17		08/17/24 23:43	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Sample: HAM-PT-03 **Lab ID: 92748251003** Collected: 08/15/24 10:45 Received: 08/16/24 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.56**	mg/L	0.10	0.050	1		08/17/24 17:00	16984-48-8	
Sulfate	**707**	mg/L	17.0	8.5	17		08/17/24 23:43	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Sample: HAM-PT-04 **Lab ID: 92748251004** Collected: 08/15/24 11:00 Received: 08/16/24 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Sodium	**90.5**	mg/L	1.0	0.58	1	08/22/24 13:55	08/25/24 17:36	7440-23-5	
Iron	**6.3**	mg/L	0.040	0.025	1	08/22/24 13:55	08/23/24 02:43	7439-89-6	
Manganese	**11.5**	mg/L	0.040	0.011	1	08/22/24 13:55	08/23/24 02:43	7439-96-5	
Potassium	**6.8**	mg/L	0.50	0.15	1	08/22/24 13:55	08/23/24 02:43	7440-09-7	
Calcium	**249**	mg/L	1.0	0.12	1	08/22/24 13:55	08/23/24 02:43	7440-70-2	
Magnesium	**20.5**	mg/L	0.050	0.012	1	08/22/24 13:55	08/23/24 02:43	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/23/24 12:38	08/26/24 15:19	7440-36-0	
Arsenic	**0.0095**	mg/L	0.0050	0.00084	1	08/23/24 12:38	08/26/24 15:19	7440-38-2	
Barium	**0.026**	mg/L	0.0050	0.00047	1	08/23/24 12:38	08/26/24 15:19	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/23/24 12:38	08/26/24 15:19	7440-41-7	
Boron	**6.2**	mg/L	0.040	0.012	1	08/23/24 12:38	08/26/24 15:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/23/24 12:38	08/26/24 15:19	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	08/23/24 12:38	08/26/24 15:19	7440-47-3	
Cobalt	**0.034**	mg/L	0.0050	0.00032	1	08/23/24 12:38	08/26/24 15:19	7440-48-4	
Lead	**0.00023J**	mg/L	0.0010	0.00016	1	08/23/24 12:38	08/26/24 15:19	7439-92-1	
Lithium	**0.0030J**	mg/L	0.030	0.0016	1	08/23/24 12:38	08/26/24 15:19	7439-93-2	
Molybdenum	**0.00071J**	mg/L	0.010	0.00062	1	08/23/24 12:38	08/26/24 15:19	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	08/23/24 12:38	08/26/24 15:19	7782-49-2	
Thallium	**0.00063J**	mg/L	0.0010	0.00038	1	08/23/24 12:38	08/26/24 15:19	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/24 16:10	08/30/24 09:22	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1150**	mg/L	25.0	25.0	1		08/21/24 16:30		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**327**	mg/L	5.0	5.0	1		08/22/24 09:21		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/22/24 09:21		
Alkalinity, Total as CaCO3	**327**	mg/L	5.0	5.0	1		08/22/24 09:21		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/17/24 04:33	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**96.7**	mg/L	9.0	5.4	9		08/18/24 00:26	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Sample: HAM-PT-04 **Lab ID: 92748251004** Collected: 08/15/24 11:00 Received: 08/16/24 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.054J**	mg/L	0.10	0.050	1		08/17/24 17:14	16984-48-8	
Sulfate	**407**	mg/L	9.0	4.5	9		08/18/24 00:26	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Sample: HAM-PT-05 **Lab ID: 92748251005** Collected: 08/15/24 13:24 Received: 08/16/24 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Sodium	**319**	mg/L	5.0	2.9	5	08/22/24 13:55	08/26/24 12:27	7440-23-5	
Iron	**0.77**	mg/L	0.040	0.025	1	08/22/24 13:55	08/23/24 02:53	7439-89-6	
Manganese	**4.2**	mg/L	0.040	0.011	1	08/22/24 13:55	08/23/24 02:53	7439-96-5	
Calcium	**147**	mg/L	1.0	0.12	1	08/22/24 13:55	08/23/24 02:53	7440-70-2	
Magnesium	**14.4**	mg/L	0.050	0.012	1	08/22/24 13:55	08/23/24 02:53	7439-95-4	
Potassium	**4.4**	mg/L	0.50	0.15	1	08/22/24 13:55	08/25/24 17:39	7440-09-7	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/23/24 12:38	08/26/24 15:23	7440-36-0	
Arsenic	**0.0023J**	mg/L	0.0050	0.00084	1	08/23/24 12:38	08/26/24 15:23	7440-38-2	
Barium	**0.026**	mg/L	0.0050	0.00047	1	08/23/24 12:38	08/26/24 15:23	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/23/24 12:38	08/26/24 15:23	7440-41-7	
Boron	**5.3**	mg/L	0.040	0.012	1	08/23/24 12:38	08/26/24 15:23	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/23/24 12:38	08/26/24 15:23	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	08/23/24 12:38	08/26/24 15:23	7440-47-3	
Cobalt	**0.0085**	mg/L	0.0050	0.00032	1	08/23/24 12:38	08/26/24 15:23	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/23/24 12:38	08/26/24 15:23	7439-92-1	
Lithium	**0.0024J**	mg/L	0.030	0.0016	1	08/23/24 12:38	08/26/24 15:23	7439-93-2	
Molybdenum	**0.0010J**	mg/L	0.010	0.00062	1	08/23/24 12:38	08/26/24 15:23	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	08/23/24 12:38	08/26/24 15:23	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	08/23/24 12:38	08/26/24 15:23	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/24 16:10	08/30/24 09:30	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1400**	mg/L	25.0	25.0	1		08/21/24 16:30		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**623**	mg/L	5.0	5.0	1		08/22/24 09:32		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/22/24 09:32		
Alkalinity, Total as CaCO3	**623**	mg/L	5.0	5.0	1		08/22/24 09:32		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/17/24 04:34	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**95.8**	mg/L	9.0	5.4	9		08/18/24 00:40	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Sample: HAM-PT-05 **Lab ID: 92748251005** Collected: 08/15/24 13:24 Received: 08/16/24 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.061J**	mg/L	0.10	0.050	1		08/17/24 17:29	16984-48-8	
Sulfate	**387**	mg/L	9.0	4.5	9		08/18/24 00:40	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Sample: HAM-PT-06 **Lab ID: 92748251006** Collected: 08/15/24 12:10 Received: 08/16/24 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Potassium	**5.9**	mg/L	0.50	0.15	1	08/22/24 13:55	08/25/24 17:42	7440-09-7	
Iron	**2.1**	mg/L	0.040	0.025	1	08/22/24 13:55	08/23/24 02:56	7439-89-6	
Manganese	**9.5**	mg/L	0.040	0.011	1	08/22/24 13:55	08/23/24 02:56	7439-96-5	
Calcium	**223**	mg/L	1.0	0.12	1	08/22/24 13:55	08/23/24 02:56	7440-70-2	
Magnesium	**20.4**	mg/L	0.050	0.012	1	08/22/24 13:55	08/23/24 02:56	7439-95-4	
Sodium	**149**	mg/L	5.0	2.9	5	08/22/24 13:55	08/26/24 12:30	7440-23-5	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/23/24 12:38	08/26/24 15:27	7440-36-0	
Arsenic	**0.0043J**	mg/L	0.0050	0.00084	1	08/23/24 12:38	08/26/24 15:27	7440-38-2	
Barium	**0.025**	mg/L	0.0050	0.00047	1	08/23/24 12:38	08/26/24 15:27	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/23/24 12:38	08/26/24 15:27	7440-41-7	
Boron	**6.0**	mg/L	0.040	0.012	1	08/23/24 12:38	08/26/24 15:27	7440-42-8	
Cadmium	**0.00033J**	mg/L	0.00050	0.00010	1	08/23/24 12:38	08/26/24 15:27	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	08/23/24 12:38	08/26/24 15:27	7440-47-3	
Cobalt	**0.023**	mg/L	0.0050	0.00032	1	08/23/24 12:38	08/26/24 15:27	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/23/24 12:38	08/26/24 15:27	7439-92-1	
Lithium	**0.0033J**	mg/L	0.030	0.0016	1	08/23/24 12:38	08/26/24 15:27	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/23/24 12:38	08/26/24 15:27	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	08/23/24 12:38	08/26/24 15:27	7782-49-2	
Thallium	**0.00051J**	mg/L	0.0010	0.00038	1	08/23/24 12:38	08/26/24 15:27	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/24 16:10	08/30/24 09:32	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1290**	mg/L	25.0	25.0	1		08/22/24 16:14		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**407**	mg/L	5.0	5.0	1		08/22/24 09:41		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/22/24 09:41		
Alkalinity, Total as CaCO3	**407**	mg/L	5.0	5.0	1		08/22/24 09:41		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/17/24 04:35	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**97.5**	mg/L	10.0	6.0	10		08/18/24 00:54	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Sample: HAM-PT-06 **Lab ID: 92748251006** Collected: 08/15/24 12:10 Received: 08/16/24 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		08/17/24 17:43	16984-48-8	
Sulfate	**408**	mg/L	10.0	5.0	10		08/18/24 00:54	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Sample: HAM-AP2-EB-01 **Lab ID: 92748251007** Collected: 08/15/24 14:15 Received: 08/16/24 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	ND	mg/L	0.040	0.025	1	08/22/24 13:55	08/23/24 02:59	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/22/24 13:55	08/23/24 02:59	7439-96-5	
Calcium	ND	mg/L	1.0	0.12	1	08/22/24 13:55	08/23/24 02:59	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	08/22/24 13:55	08/23/24 02:59	7439-95-4	
Potassium	ND	mg/L	0.50	0.15	1	08/22/24 13:55	08/25/24 17:45	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	08/22/24 13:55	08/25/24 17:45	7440-23-5	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/23/24 12:38	08/26/24 15:31	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	08/23/24 12:38	08/26/24 15:31	7440-38-2	
Barium	ND	mg/L	0.0050	0.00047	1	08/23/24 12:38	08/26/24 15:31	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/23/24 12:38	08/26/24 15:31	7440-41-7	
Boron	**0.028J**	mg/L	0.040	0.012	1	08/23/24 12:38	08/26/24 15:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/23/24 12:38	08/26/24 15:31	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	08/23/24 12:38	08/26/24 15:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	08/23/24 12:38	08/26/24 15:31	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/23/24 12:38	08/26/24 15:31	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	08/23/24 12:38	08/26/24 15:31	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/23/24 12:38	08/26/24 15:31	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	08/23/24 12:38	08/26/24 15:31	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	08/23/24 12:38	08/26/24 15:31	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/24 16:10	08/30/24 09:35	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**36.0**	mg/L	25.0	25.0	1		08/22/24 16:14		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/21/24 19:10		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/21/24 19:10		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/21/24 19:10		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/17/24 04:37	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/17/24 13:52	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Sample: HAM-AP2-EB-01 **Lab ID: 92748251007** Collected: 08/15/24 14:15 Received: 08/16/24 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		08/17/24 13:52	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/17/24 13:52	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Sample: HAM-AP2-FB-01 **Lab ID: 92748251008** Collected: 08/15/24 14:20 Received: 08/16/24 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	ND	mg/L	0.040	0.025	1	08/22/24 13:55	08/23/24 03:03	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/22/24 13:55	08/23/24 03:03	7439-96-5	
Calcium	ND	mg/L	1.0	0.12	1	08/22/24 13:55	08/23/24 03:03	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	08/22/24 13:55	08/23/24 03:03	7439-95-4	
Potassium	ND	mg/L	0.50	0.15	1	08/22/24 13:55	08/25/24 17:56	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	08/22/24 13:55	08/25/24 17:56	7440-23-5	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/23/24 12:38	08/26/24 15:34	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	08/23/24 12:38	08/26/24 15:34	7440-38-2	
Barium	ND	mg/L	0.0050	0.00047	1	08/23/24 12:38	08/26/24 15:34	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/23/24 12:38	08/26/24 15:34	7440-41-7	
Boron	**0.013J**	mg/L	0.040	0.012	1	08/23/24 12:38	08/26/24 15:34	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/23/24 12:38	08/26/24 15:34	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	08/23/24 12:38	08/26/24 15:34	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	08/23/24 12:38	08/26/24 15:34	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/23/24 12:38	08/26/24 15:34	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	08/23/24 12:38	08/26/24 15:34	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/23/24 12:38	08/26/24 15:34	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	08/23/24 12:38	08/26/24 15:34	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	08/23/24 12:38	08/26/24 15:34	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/24 16:10	08/30/24 09:38	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**52.0**	mg/L	25.0	25.0	1		08/22/24 16:15		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/21/24 19:13		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/21/24 19:13		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/21/24 19:13		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/17/24 04:37	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/17/24 14:06	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Sample: HAM-AP2-FB-01 **Lab ID: 92748251008** Collected: 08/15/24 14:20 Received: 08/16/24 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		08/17/24 14:06	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/17/24 14:06	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Sample: HAM-AP2-FD-01 **Lab ID: 92748251009** Collected: 08/15/24 00:00 Received: 08/16/24 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Sodium	**150**	mg/L	5.0	2.9	5	08/22/24 13:55	08/26/24 12:33	7440-23-5	
Potassium	**5.9**	mg/L	0.50	0.15	1	08/22/24 13:55	08/25/24 17:59	7440-09-7	
Iron	**2.0**	mg/L	0.040	0.025	1	08/22/24 13:55	08/23/24 03:07	7439-89-6	
Manganese	**9.6**	mg/L	0.040	0.011	1	08/22/24 13:55	08/23/24 03:07	7439-96-5	
Calcium	**224**	mg/L	1.0	0.12	1	08/22/24 13:55	08/23/24 03:07	7440-70-2	
Magnesium	**20.4**	mg/L	0.050	0.012	1	08/22/24 13:55	08/23/24 03:07	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/23/24 12:38	08/26/24 15:51	7440-36-0	
Arsenic	**0.0043J**	mg/L	0.0050	0.00084	1	08/23/24 12:38	08/26/24 15:51	7440-38-2	
Barium	**0.025**	mg/L	0.0050	0.00047	1	08/23/24 12:38	08/26/24 15:51	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/23/24 12:38	08/26/24 15:51	7440-41-7	
Boron	**6.2**	mg/L	0.040	0.012	1	08/23/24 12:38	08/26/24 15:51	7440-42-8	
Cadmium	**0.00035J**	mg/L	0.00050	0.00010	1	08/23/24 12:38	08/26/24 15:51	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	08/23/24 12:38	08/26/24 15:51	7440-47-3	
Cobalt	**0.024**	mg/L	0.0050	0.00032	1	08/23/24 12:38	08/26/24 15:51	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/23/24 12:38	08/26/24 15:51	7439-92-1	
Lithium	**0.0035J**	mg/L	0.030	0.0016	1	08/23/24 12:38	08/26/24 15:51	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/23/24 12:38	08/26/24 15:51	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	08/23/24 12:38	08/26/24 15:51	7782-49-2	
Thallium	**0.00053J**	mg/L	0.0010	0.00038	1	08/23/24 12:38	08/26/24 15:51	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/24 16:10	08/30/24 09:40	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1260**	mg/L	25.0	25.0	1		08/22/24 16:15		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**405**	mg/L	5.0	5.0	1		08/22/24 09:50		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/22/24 09:50		
Alkalinity, Total as CaCO3	**405**	mg/L	5.0	5.0	1		08/22/24 09:50		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		08/17/24 04:38	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**98.8**	mg/L	10.0	6.0	10		08/18/24 01:08	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Sample: HAM-AP2-FD-01 **Lab ID: 92748251009** Collected: 08/15/24 00:00 Received: 08/16/24 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		08/17/24 17:57	16984-48-8	
Sulfate	**413**	mg/L	10.0	5.0	10		08/18/24 01:08	14808-79-8	

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QUALITY CONTROL DATA

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

QC Batch: 877559
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92748251001, 92748251002, 92748251003, 92748251004, 92748251005, 92748251006, 92748251007, 92748251008, 92748251009

METHOD BLANK: 4520288 Matrix: Water
Associated Lab Samples: 92748251001, 92748251002, 92748251003, 92748251004, 92748251005, 92748251006, 92748251007, 92748251008, 92748251009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	08/23/24 01:31	
Iron	mg/L	ND	0.040	0.025	08/23/24 01:31	
Magnesium	mg/L	ND	0.050	0.012	08/23/24 01:31	
Manganese	mg/L	ND	0.040	0.011	08/23/24 01:31	
Potassium	mg/L	ND	0.50	0.15	08/25/24 16:35	
Sodium	mg/L	ND	1.0	0.58	08/25/24 16:35	

LABORATORY CONTROL SAMPLE: 4520289

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.2	116	80-120	
Iron	mg/L	1	1.1	115	80-120	
Magnesium	mg/L	1	1.2	118	80-120	
Manganese	mg/L	1	1.1	112	80-120	
Potassium	mg/L	1	1.1	111	80-120	
Sodium	mg/L	1	1.1	113	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4520290 4520291

Parameter	Units	92746783026 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	9.2	1	1	10.3	10.4	103	119	75-125	1	20	
Iron	mg/L	0.45	1	1	1.1	1.1	68	68	75-125	0	20	M1
Magnesium	mg/L	4.8	1	1	6.0	6.2	116	131	75-125	3	20	M1
Manganese	mg/L	0.016J	1	1	1.1	1.2	106	114	75-125	7	20	
Potassium	mg/L	0.67	1	1	1.8	1.8	111	111	75-125	0	20	
Sodium	mg/L	3.3	1	1	4.5	4.6	118	126	75-125	2	20	M1

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QUALITY CONTROL DATA

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

QC Batch: 877838
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92748251001, 92748251002, 92748251003, 92748251004, 92748251005, 92748251006, 92748251007, 92748251008, 92748251009

METHOD BLANK: 4521711 Matrix: Water
Associated Lab Samples: 92748251001, 92748251002, 92748251003, 92748251004, 92748251005, 92748251006, 92748251007, 92748251008, 92748251009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00054	08/26/24 14:08	
Arsenic	mg/L	ND	0.0050	0.00084	08/26/24 14:08	
Barium	mg/L	ND	0.0050	0.00047	08/26/24 14:08	
Beryllium	mg/L	ND	0.00050	0.000094	08/26/24 14:08	
Boron	mg/L	ND	0.040	0.012	08/26/24 14:08	
Cadmium	mg/L	ND	0.00050	0.00010	08/26/24 14:08	
Chromium	mg/L	ND	0.0050	0.0019	08/26/24 14:08	
Cobalt	mg/L	ND	0.0050	0.00032	08/26/24 14:08	
Lead	mg/L	ND	0.0010	0.00016	08/26/24 14:08	
Lithium	mg/L	ND	0.030	0.0016	08/26/24 14:08	
Molybdenum	mg/L	ND	0.010	0.00062	08/26/24 14:08	
Selenium	mg/L	ND	0.0050	0.00096	08/26/24 14:08	
Thallium	mg/L	ND	0.0010	0.00038	08/26/24 14:08	

LABORATORY CONTROL SAMPLE: 4521712

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	101	80-120	
Arsenic	mg/L	0.1	0.097	97	80-120	
Barium	mg/L	0.1	0.097	97	80-120	
Beryllium	mg/L	0.1	0.10	101	80-120	
Boron	mg/L	1	0.97	97	80-120	
Cadmium	mg/L	0.1	0.098	98	80-120	
Chromium	mg/L	0.1	0.098	98	80-120	
Cobalt	mg/L	0.1	0.097	97	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Lithium	mg/L	0.1	0.10	101	80-120	
Molybdenum	mg/L	0.1	0.10	104	80-120	
Selenium	mg/L	0.1	0.097	97	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4521713 4521714

Parameter	Units	92748202001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.099	0.098	99	98	75-125	1	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4521713 4521714

Parameter	Units	92748202001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	ND	0.1	0.1	0.099	0.098	99	98	75-125	1	20	
Barium	mg/L	0.051	0.1	0.1	0.15	0.15	102	98	75-125	2	20	
Beryllium	mg/L	ND	0.1	0.1	0.097	0.095	97	95	75-125	2	20	
Boron	mg/L	0.014J	1	1	0.96	0.94	95	93	75-125	2	20	
Cadmium	mg/L	ND	0.1	0.1	0.097	0.097	97	97	75-125	0	20	
Chromium	mg/L	ND	0.1	0.1	0.099	0.097	99	97	75-125	2	20	
Cobalt	mg/L	ND	0.1	0.1	0.097	0.095	97	95	75-125	2	20	
Lead	mg/L	ND	0.1	0.1	0.095	0.094	95	94	75-125	1	20	
Lithium	mg/L	ND	0.1	0.1	0.098	0.097	97	96	75-125	1	20	
Molybdenum	mg/L	ND	0.1	0.1	0.10	0.099	101	98	75-125	2	20	
Selenium	mg/L	0.0017J	0.1	0.1	0.10	0.099	98	97	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.092	0.093	92	93	75-125	1	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

QC Batch: 879193
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92748251001, 92748251002, 92748251003, 92748251004, 92748251005, 92748251006, 92748251007, 92748251008, 92748251009

METHOD BLANK: 4528083 Matrix: Water
Associated Lab Samples: 92748251001, 92748251002, 92748251003, 92748251004, 92748251005, 92748251006, 92748251007, 92748251008, 92748251009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	08/30/24 09:01	

LABORATORY CONTROL SAMPLE: 4528084

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0023	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4528085 4528086

Parameter	Units	92748251001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0023	0.0024	91	96	75-125	6	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

QC Batch: 877174 | Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92748251001, 92748251002, 92748251003, 92748251004, 92748251005

METHOD BLANK: 4518022 Matrix: Water
Associated Lab Samples: 92748251001, 92748251002, 92748251003, 92748251004, 92748251005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/21/24 16:23	

LABORATORY CONTROL SAMPLE: 4518023

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	392	98	80-120	

SAMPLE DUPLICATE: 4518024

Parameter	Units	92748019001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	373	350	6	10	

SAMPLE DUPLICATE: 4518025

Parameter	Units	92748119002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	245	255	4	10	

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QUALITY CONTROL DATA

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

QC Batch: 877482
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92748251006, 92748251007, 92748251008, 92748251009

METHOD BLANK: 4519828 Matrix: Water
Associated Lab Samples: 92748251006, 92748251007, 92748251008, 92748251009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/22/24 16:13	

LABORATORY CONTROL SAMPLE: 4519829

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	343	86	80-120	

SAMPLE DUPLICATE: 4519830

Parameter	Units	92748251006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1290	1270	1	10	

SAMPLE DUPLICATE: 4519831

Parameter	Units	92748515001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	160	176	10	10	

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QUALITY CONTROL DATA

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

QC Batch: 876583
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92748251001

METHOD BLANK: 4515214 Matrix: Water
Associated Lab Samples: 92748251001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/19/24 12:19	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/19/24 12:19	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/19/24 12:19	

LABORATORY CONTROL SAMPLE: 4515215

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.1	104	80-120	

LABORATORY CONTROL SAMPLE: 4515216

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	53.1	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4515217 4515218

Parameter	Units	92748115002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	25.9	50	50	75.6	75.2	99	99	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4515219 4515220

Parameter	Units	92748115004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	25.4	50	50	71.8	79.2	93	108	80-120	10	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

QC Batch: 877163
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92748251002, 92748251003, 92748251004, 92748251005, 92748251006, 92748251007, 92748251008, 92748251009

METHOD BLANK: 4517979 Matrix: Water
Associated Lab Samples: 92748251002, 92748251003, 92748251004, 92748251005, 92748251006, 92748251007, 92748251008, 92748251009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/21/24 17:18	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/21/24 17:18	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/21/24 17:18	

LABORATORY CONTROL SAMPLE: 4517980

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.6	103	80-120	

LABORATORY CONTROL SAMPLE: 4517981

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.6	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4517982 4517983

Parameter	Units	92748629001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	ND	50	50	ND	ND	7	9	80-120		25	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4517984 4517985

Parameter	Units	92748455001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	22.5	50	50	71.9	71.9	99	99	80-120	0	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

QC Batch: 876390
QC Batch Method: SM 4500-S2D-2011
Analysis Method: SM 4500-S2D-2011
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92748251001, 92748251002, 92748251003, 92748251004, 92748251005, 92748251006, 92748251007, 92748251008, 92748251009

METHOD BLANK: 4514671 Matrix: Water
Associated Lab Samples: 92748251001, 92748251002, 92748251003, 92748251004, 92748251005, 92748251006, 92748251007, 92748251008, 92748251009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	08/17/24 04:24	

LABORATORY CONTROL SAMPLE: 4514672

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.51	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4514673 4514674

Parameter	Units	92748254001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.49	0.50	98	100	80-120	3	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4514675 4514676

Parameter	Units	92748251006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.48	0.51	95	102	80-120	6	10	

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QUALITY CONTROL DATA

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

QC Batch: 876425
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92748251001, 92748251002, 92748251003, 92748251004, 92748251005, 92748251006, 92748251007, 92748251008, 92748251009

METHOD BLANK: 4514777 Matrix: Water
Associated Lab Samples: 92748251001, 92748251002, 92748251003, 92748251004, 92748251005, 92748251006, 92748251007, 92748251008, 92748251009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/17/24 12:54	
Fluoride	mg/L	ND	0.10	0.050	08/17/24 12:54	
Sulfate	mg/L	ND	1.0	0.50	08/17/24 12:54	

LABORATORY CONTROL SAMPLE: 4514778

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.2	100	90-110	
Fluoride	mg/L	2.5	2.5	101	90-110	
Sulfate	mg/L	50	50.2	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4514779 4514780

Parameter	Units	92746783031 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	3.6	50	50	51.8	57.7	96	108	90-110	11	10	R1
Fluoride	mg/L	ND	2.5	2.5	2.3	2.6	93	105	90-110	13	10	R1
Sulfate	mg/L	7.5	50	50	55.7	61.7	96	109	90-110	10	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4514781 4514782

Parameter	Units	92748251008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	50	50	49.4	51.7	99	103	90-110	5	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.6	100	103	90-110	2	10	
Sulfate	mg/L	ND	50	50	49.3	51.5	99	103	90-110	4	10	

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QUALIFIERS

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92748251001	**HAM-PT-01**	EPA 3010A	877559	EPA 6010D	877624
92748251002	**HAM-PT-02**	EPA 3010A	877559	EPA 6010D	877624
92748251003	**HAM-PT-03**	EPA 3010A	877559	EPA 6010D	877624
92748251004	**HAM-PT-04**	EPA 3010A	877559	EPA 6010D	877624
92748251005	**HAM-PT-05**	EPA 3010A	877559	EPA 6010D	877624
92748251006	**HAM-PT-06**	EPA 3010A	877559	EPA 6010D	877624
92748251007	**HAM-AP2-EB-01**	EPA 3010A	877559	EPA 6010D	877624
92748251008	**HAM-AP2-FB-01**	EPA 3010A	877559	EPA 6010D	877624
92748251009	**HAM-AP2-FD-01**	EPA 3010A	877559	EPA 6010D	877624
92748251001	**HAM-PT-01**	EPA 3005A	877838	EPA 6020B	877967
92748251002	**HAM-PT-02**	EPA 3005A	877838	EPA 6020B	877967
92748251003	**HAM-PT-03**	EPA 3005A	877838	EPA 6020B	877967
92748251004	**HAM-PT-04**	EPA 3005A	877838	EPA 6020B	877967
92748251005	**HAM-PT-05**	EPA 3005A	877838	EPA 6020B	877967
92748251006	**HAM-PT-06**	EPA 3005A	877838	EPA 6020B	877967
92748251007	**HAM-AP2-EB-01**	EPA 3005A	877838	EPA 6020B	877967
92748251008	**HAM-AP2-FB-01**	EPA 3005A	877838	EPA 6020B	877967
92748251009	**HAM-AP2-FD-01**	EPA 3005A	877838	EPA 6020B	877967
92748251001	**HAM-PT-01**	EPA 7470A	879193	EPA 7470A	879410
92748251002	**HAM-PT-02**	EPA 7470A	879193	EPA 7470A	879410
92748251003	**HAM-PT-03**	EPA 7470A	879193	EPA 7470A	879410
92748251004	**HAM-PT-04**	EPA 7470A	879193	EPA 7470A	879410
92748251005	**HAM-PT-05**	EPA 7470A	879193	EPA 7470A	879410
92748251006	**HAM-PT-06**	EPA 7470A	879193	EPA 7470A	879410
92748251007	**HAM-AP2-EB-01**	EPA 7470A	879193	EPA 7470A	879410
92748251008	**HAM-AP2-FB-01**	EPA 7470A	879193	EPA 7470A	879410
92748251009	**HAM-AP2-FD-01**	EPA 7470A	879193	EPA 7470A	879410
92748251001	**HAM-PT-01**	SM 2540C-2015	877174		
92748251002	**HAM-PT-02**	SM 2540C-2015	877174		
92748251003	**HAM-PT-03**	SM 2540C-2015	877174		
92748251004	**HAM-PT-04**	SM 2540C-2015	877174		
92748251005	**HAM-PT-05**	SM 2540C-2015	877174		
92748251006	**HAM-PT-06**	SM 2540C-2015	877482		
92748251007	**HAM-AP2-EB-01**	SM 2540C-2015	877482		
92748251008	**HAM-AP2-FB-01**	SM 2540C-2015	877482		
92748251009	**HAM-AP2-FD-01**	SM 2540C-2015	877482		
92748251001	**HAM-PT-01**	SM 2320B-2011	876583		
92748251002	**HAM-PT-02**	SM 2320B-2011	877163		
92748251003	**HAM-PT-03**	SM 2320B-2011	877163		
92748251004	**HAM-PT-04**	SM 2320B-2011	877163		
92748251005	**HAM-PT-05**	SM 2320B-2011	877163		
92748251006	**HAM-PT-06**	SM 2320B-2011	877163		
92748251007	**HAM-AP2-EB-01**	SM 2320B-2011	877163		
92748251008	**HAM-AP2-FB-01**	SM 2320B-2011	877163		
92748251009	**HAM-AP2-FD-01**	SM 2320B-2011	877163		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hammond AP-2 (CA)-20240815
Pace Project No.: 92748251

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92748251001	**HAM-PT-01**	SM 4500-S2D-2011	876390		
92748251002	**HAM-PT-02**	SM 4500-S2D-2011	876390		
92748251003	**HAM-PT-03**	SM 4500-S2D-2011	876390		
92748251004	**HAM-PT-04**	SM 4500-S2D-2011	876390		
92748251005	**HAM-PT-05**	SM 4500-S2D-2011	876390		
92748251006	**HAM-PT-06**	SM 4500-S2D-2011	876390		
92748251007	**HAM-AP2-EB-01**	SM 4500-S2D-2011	876390		
92748251008	**HAM-AP2-FB-01**	SM 4500-S2D-2011	876390		
92748251009	**HAM-AP2-FD-01**	SM 4500-S2D-2011	876390		
92748251001	**HAM-PT-01**	EPA 300.0 Rev 2.1 1993	876425		
92748251002	**HAM-PT-02**	EPA 300.0 Rev 2.1 1993	876425		
92748251003	**HAM-PT-03**	EPA 300.0 Rev 2.1 1993	876425		
92748251004	**HAM-PT-04**	EPA 300.0 Rev 2.1 1993	876425		
92748251005	**HAM-PT-05**	EPA 300.0 Rev 2.1 1993	876425		
92748251006	**HAM-PT-06**	EPA 300.0 Rev 2.1 1993	876425		
92748251007	**HAM-AP2-EB-01**	EPA 300.0 Rev 2.1 1993	876425		
92748251008	**HAM-AP2-FB-01**	EPA 300.0 Rev 2.1 1993	876425		
92748251009	**HAM-AP2-FD-01**	EPA 300.0 Rev 2.1 1993	876425		

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DC#_Title: ENV-FRM-HUNT-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power Geosyntec

Project #:

WO# : 92748251

92748251

Courier: ☐ Commercial ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ Other:____

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☐ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 5/16/24 DW

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 230

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 4.0 Correction Factor: Add/Subtract (°C) 0

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

Cooler Temp Corrected (°C): 4.0

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Qualtrax ID: 69614

Pace

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO# : 92748251

PM: BV Due Date: 08/30/24

CLIENT: 92- GP-HAM

*Check mark top half of box If pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Client GA Power Profile/EZ (Circle one) 10839 Notes

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

pH Adjustment Log for Preserved Samples

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

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

Qualtrax ID: 69614

Page 2 of 2

WO#: 92748251

PM: BV **Due Date: 08/30/24**

CLIENT: 92- GP-HAM

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Docu

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

Page: 1 of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	GA Power	Report To:	SCS Contacts	Attention:	Southern Co.
Address:	Atlanta, GA	Copy To:	Geosyntec Contacts	Company Name:	
				Address:	
Email To:	SCS Contacts	Purchase Order No.:	GPC82474-0001	Pace Quote Reference:	
Phone:	Fax:	Project Name:	Hammond AP-2	Pace Project Manager:	Bonnie Vang
Requested Due Date/TAT:	10 Day	Project Number:		Pace Profile #:	10839

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Chloride, Fluoride, Sulfate	Full Asp. III and IV metals	Major Ions (Profile 10839-2)	TDS	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																		Requested Analysis Filtered (Y/N)	N	N	N	N		
1	HAM-PT-01	WG	G	8/15/2024	1202			21	5	3		1					1		X	X	X	X	N	
2	HAM-PT-02	WG	G	8/15/2024	1335			23	5	3		1					1		X	X	X	X	N	
3	HAM-PT-03	WG	G	8/15/2024	1045			20	5	3		1					1		X	X	X	X	N	
4	HAM-PT-04	WG	G	8/15/2024	1100			22	5	3		1					1		X	X	X	X	N	
5	HAM-PT-05	WG	G	8/15/2024	1324			22	5	3		1					1		X	X	X	X	N	
6	HAM-PT-06	WG	G	8/15/2024	1210			22	5	3		1					1		X	X	X	X	N	
7	HAM-AP2-EB-01	WG	G	8/15/2024	1415			20	5	3		1					1		X	X	X	X	N	
8	HAM-AP2-FB-01	WG	G	8/15/2024	1420			20	5	3		1					1		X	X	X	X	N	
9	HAM-AP2-FD-01	WG	G	8/15/2024	0000			22	5	3		1					1		X	X	X	X	N	
10						JN 8/16/2024																		
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Task Code: HAM-CCR-CA-20240815	Jamie Newsome / Geo	8/16/24	1250	Ryan Williams / Pace	8/16/24	1250	
	Ryan Williams / Pace	8/16/24	1355		8/16/24	1355	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jamie Newsome / Geosyntec Consultants, Inc

SIGNATURE of SAMPLER: Jamie Newsome DATE Signed (MM/DD/YY): 8/16/2024

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-Feb-2007

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

November 27, 2024

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on November 18, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

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

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

Sincerely,

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

Enclosures

cc: Kip Gray, Geosyntec
Christine Hug, Geosyntec Consultants, Inc.
Thomas Kessler, Geosyntec Consultants
Whitney Law, Geosyntec Consultants
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec Consultants, Inc
Jamie Newsome, Geosyntec Consultants
Zain Webb, Geosyntec Consultants

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CERTIFICATIONS

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315
Georgia DW Inorganics Certification #: 812
North Carolina Certification #: 381
South Carolina Certification #: 98011001
Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
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SAMPLE SUMMARY

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92764273001	**HAM-PT-01**	Water	11/14/24 11:11	11/18/24 11:25
92764273002	**HAM-PT-02**	Water	11/14/24 13:18	11/18/24 11:25
92764273003	**HAM-PT-03**	Water	11/14/24 09:51	11/18/24 11:25
92764273004	**HAM-PT-04**	Water	11/14/24 13:59	11/18/24 11:25
92764273005	**HAM-PT-05**	Water	11/14/24 11:57	11/18/24 11:25
92764273006	**HAM-PT-06**	Water	11/14/24 10:33	11/18/24 11:25
92764273007	**HAM-AP2-EB-01**	Water	11/15/24 10:50	11/18/24 11:25
92764273008	**HAM-AP2-FB-01**	Water	11/15/24 10:45	11/18/24 11:25
92764273009	**HAM-AP2-FD-01**	Water	11/14/24 00:00	11/18/24 11:25

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SAMPLE ANALYTE COUNT

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92764273001	**HAM-PT-01**	EPA 6010D	AJM	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92764273002	**HAM-PT-02**	EPA 6010D	AJM	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92764273003	**HAM-PT-03**	EPA 6010D	AJM	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92764273004	**HAM-PT-04**	EPA 6010D	AJM	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92764273005	**HAM-PT-05**	EPA 6010D	AJM	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92764273006	**HAM-PT-06**	EPA 6010D	AJM	6
		EPA 6020B	CW1	13

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92764273007	**HAM-AP2-EB-01**	EPA 6010D	AJM	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92764273008	**HAM-AP2-FB-01**	EPA 6010D	AJM	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92764273009	**HAM-AP2-FD-01**	EPA 6010D	AJM	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		SM 4500-S2D-2011	JP1	1
		EPA 300.0 Rev 2.1 1993	JCM	3

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

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SUMMARY OF DETECTION

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92764273001	**HAM-PT-01**					
EPA 6010D	Iron	3.9	mg/L	0.040	11/19/24 18:00	
EPA 6010D	Manganese	1.3	mg/L	0.040	11/19/24 18:00	
EPA 6010D	Potassium	11.3	mg/L	0.50	11/19/24 18:00	
EPA 6010D	Sodium	39.9	mg/L	1.0	11/19/24 18:00	
EPA 6010D	Calcium	62.3	mg/L	1.0	11/19/24 18:00	
EPA 6010D	Magnesium	6.3	mg/L	0.050	11/19/24 18:00	
EPA 6020B	Arsenic	0.0011J	mg/L	0.0050	11/22/24 13:41	
EPA 6020B	Barium	0.025	mg/L	0.0050	11/22/24 13:41	
EPA 6020B	Boron	2.1	mg/L	0.40	11/22/24 16:07	
EPA 6020B	Cobalt	0.0048J	mg/L	0.0050	11/22/24 13:41	
EPA 6020B	Selenium	0.0011J	mg/L	0.0050	11/22/24 13:41	
SM 2540C-2015	Total Dissolved Solids	393	mg/L	25.0	11/19/24 12:43	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	67.3	mg/L	5.0	11/20/24 19:25	
SM 2320B-2011	Alkalinity, Total as CaCO3	67.3	mg/L	5.0	11/20/24 19:25	
EPA 300.0 Rev 2.1 1993	Chloride	21.9	mg/L	1.0	11/19/24 07:41	
EPA 300.0 Rev 2.1 1993	Fluoride	0.17	mg/L	0.10	11/19/24 07:41	
EPA 300.0 Rev 2.1 1993	Sulfate	136	mg/L	3.0	11/19/24 16:34	
92764273002	**HAM-PT-02**					
EPA 6010D	Iron	5.7	mg/L	0.040	11/19/24 18:05	
EPA 6010D	Manganese	6.6	mg/L	0.040	11/19/24 18:05	
EPA 6010D	Potassium	6.7	mg/L	0.50	11/19/24 18:05	
EPA 6010D	Sodium	86.5	mg/L	1.0	11/19/24 18:05	M1
EPA 6010D	Calcium	243	mg/L	1.0	11/19/24 18:05	M1
EPA 6010D	Magnesium	23.6	mg/L	0.050	11/19/24 18:05	M1
EPA 6020B	Antimony	0.00055J	mg/L	0.0030	11/22/24 13:57	
EPA 6020B	Arsenic	0.0023J	mg/L	0.0050	11/22/24 13:57	
EPA 6020B	Barium	0.038	mg/L	0.0050	11/22/24 13:57	
EPA 6020B	Boron	5.5	mg/L	0.40	11/22/24 16:19	
EPA 6020B	Cobalt	0.022	mg/L	0.0050	11/22/24 13:57	
EPA 6020B	Selenium	0.0011J	mg/L	0.0050	11/22/24 13:57	
SM 2540C-2015	Total Dissolved Solids	1340	mg/L	50.0	11/19/24 12:44	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	127	mg/L	5.0	11/20/24 19:33	
SM 2320B-2011	Alkalinity, Total as CaCO3	127	mg/L	5.0	11/20/24 19:33	
EPA 300.0 Rev 2.1 1993	Chloride	83.6	mg/L	10.0	11/19/24 08:26	
EPA 300.0 Rev 2.1 1993	Fluoride	0.12	mg/L	0.10	11/19/24 09:12	
EPA 300.0 Rev 2.1 1993	Sulfate	469	mg/L	10.0	11/19/24 08:26	
92764273003	**HAM-PT-03**					
EPA 6010D	Iron	0.091	mg/L	0.040	11/19/24 18:25	
EPA 6010D	Manganese	4.1	mg/L	0.040	11/19/24 18:25	
EPA 6010D	Potassium	8.8	mg/L	0.50	11/19/24 18:25	
EPA 6010D	Sodium	77.6	mg/L	1.0	11/19/24 18:25	
EPA 6010D	Calcium	246	mg/L	1.0	11/19/24 18:25	
EPA 6010D	Magnesium	22.1	mg/L	0.050	11/19/24 18:25	
EPA 6020B	Arsenic	0.0024J	mg/L	0.0050	11/22/24 14:01	
EPA 6020B	Barium	0.024	mg/L	0.0050	11/22/24 14:01	
EPA 6020B	Beryllium	0.0012	mg/L	0.00050	11/22/24 14:01	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SUMMARY OF DETECTION

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92764273003	**HAM-PT-03**					
EPA 6020B	Boron	6.1	mg/L	0.40	11/22/24 16:23	
EPA 6020B	Cadmium	0.00034J	mg/L	0.00050	11/22/24 14:01	
EPA 6020B	Cobalt	0.061	mg/L	0.0050	11/22/24 14:01	
EPA 6020B	Lead	0.0011	mg/L	0.0010	11/22/24 14:01	
EPA 6020B	Selenium	0.0040J	mg/L	0.0050	11/22/24 14:01	
SM 2540C-2015	Total Dissolved Solids	1330	mg/L	50.0	11/19/24 12:44	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	33.6	mg/L	5.0	11/20/24 19:50	
SM 2320B-2011	Alkalinity, Total as CaCO3	33.6	mg/L	5.0	11/20/24 19:50	
EPA 300.0 Rev 2.1 1993	Chloride	93.7	mg/L	1.0	11/19/24 20:56	
EPA 300.0 Rev 2.1 1993	Fluoride	0.44	mg/L	0.10	11/19/24 20:56	
EPA 300.0 Rev 2.1 1993	Sulfate	576	mg/L	10.0	11/19/24 08:42	
92764273004	**HAM-PT-04**					
EPA 6010D	Iron	5.6	mg/L	0.040	11/19/24 18:30	
EPA 6010D	Manganese	10.1	mg/L	0.040	11/19/24 18:30	
EPA 6010D	Potassium	5.9	mg/L	0.50	11/19/24 18:30	
EPA 6010D	Sodium	78.8	mg/L	1.0	11/19/24 18:30	
EPA 6010D	Calcium	249	mg/L	1.0	11/19/24 18:30	
EPA 6010D	Magnesium	18.5	mg/L	0.050	11/19/24 18:30	
EPA 6020B	Arsenic	0.0088	mg/L	0.0050	11/22/24 14:06	
EPA 6020B	Barium	0.025	mg/L	0.0050	11/22/24 14:06	
EPA 6020B	Boron	6.2	mg/L	0.40	11/22/24 16:28	
EPA 6020B	Cobalt	0.034	mg/L	0.0050	11/22/24 14:06	
EPA 6020B	Lithium	0.0030J	mg/L	0.030	11/22/24 14:06	
EPA 6020B	Molybdenum	0.00080J	mg/L	0.010	11/22/24 14:06	
EPA 6020B	Thallium	0.00062J	mg/L	0.0010	11/22/24 14:06	
SM 2540C-2015	Total Dissolved Solids	1260	mg/L	50.0	11/19/24 12:44	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	281	mg/L	5.0	11/20/24 20:08	
SM 2320B-2011	Alkalinity, Total as CaCO3	281	mg/L	5.0	11/20/24 20:08	
EPA 300.0 Rev 2.1 1993	Chloride	99.0	mg/L	1.0	11/19/24 08:57	
EPA 300.0 Rev 2.1 1993	Fluoride	0.092J	mg/L	0.10	11/19/24 08:57	
EPA 300.0 Rev 2.1 1993	Sulfate	346	mg/L	8.0	11/19/24 16:49	
92764273005	**HAM-PT-05**					
EPA 6010D	Iron	0.74	mg/L	0.040	11/19/24 18:45	
EPA 6010D	Manganese	4.0	mg/L	0.040	11/19/24 18:45	
EPA 6010D	Potassium	4.2	mg/L	0.50	11/19/24 18:45	
EPA 6010D	Sodium	275	mg/L	1.0	11/19/24 18:45	
EPA 6010D	Calcium	166	mg/L	1.0	11/19/24 18:45	
EPA 6010D	Magnesium	14.8	mg/L	0.050	11/19/24 18:45	
EPA 6020B	Arsenic	0.00096J	mg/L	0.0050	11/22/24 14:10	
EPA 6020B	Barium	0.027	mg/L	0.0050	11/22/24 14:10	
EPA 6020B	Boron	5.9	mg/L	0.40	11/22/24 16:32	
EPA 6020B	Cobalt	0.0099	mg/L	0.0050	11/22/24 14:10	
EPA 6020B	Lithium	0.0025J	mg/L	0.030	11/22/24 14:10	
EPA 6020B	Molybdenum	0.00084J	mg/L	0.010	11/22/24 14:10	
SM 2540C-2015	Total Dissolved Solids	1340	mg/L	50.0	11/19/24 12:45	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	473	mg/L	5.0	11/21/24 18:29	

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SUMMARY OF DETECTION

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92764273005	**HAM-PT-05**					
SM 2320B-2011	Alkalinity, Total as CaCO3	473	mg/L	5.0	11/21/24 18:29	
EPA 300.0 Rev 2.1 1993	Chloride	90.5	mg/L	8.0	11/19/24 17:04	
EPA 300.0 Rev 2.1 1993	Fluoride	0.093J	mg/L	0.10	11/19/24 09:27	
EPA 300.0 Rev 2.1 1993	Sulfate	354	mg/L	8.0	11/19/24 17:04	
92764273006	**HAM-PT-06**					
EPA 6010D	Iron	1.9	mg/L	0.040	11/19/24 18:50	
EPA 6010D	Manganese	8.4	mg/L	0.040	11/19/24 18:50	
EPA 6010D	Potassium	5.9	mg/L	0.50	11/19/24 18:50	
EPA 6010D	Sodium	138	mg/L	1.0	11/19/24 18:50	
EPA 6010D	Calcium	242	mg/L	1.0	11/19/24 18:50	
EPA 6010D	Magnesium	19.7	mg/L	0.050	11/19/24 18:50	
EPA 6020B	Arsenic	0.0030J	mg/L	0.0050	11/22/24 14:22	
EPA 6020B	Barium	0.026	mg/L	0.0050	11/22/24 14:22	
EPA 6020B	Boron	6.3	mg/L	0.40	11/22/24 16:36	
EPA 6020B	Cadmium	0.00011J	mg/L	0.00050	11/22/24 14:22	
EPA 6020B	Cobalt	0.022	mg/L	0.0050	11/22/24 14:22	
EPA 6020B	Lithium	0.0033J	mg/L	0.030	11/22/24 14:22	
EPA 6020B	Selenium	0.0012J	mg/L	0.0050	11/22/24 14:22	
EPA 6020B	Thallium	0.00051J	mg/L	0.0010	11/22/24 14:22	
SM 2540C-2015	Total Dissolved Solids	1260	mg/L	50.0	11/19/24 12:46	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	335	mg/L	5.0	11/20/24 21:24	
SM 2320B-2011	Alkalinity, Total as CaCO3	335	mg/L	5.0	11/20/24 21:24	
EPA 300.0 Rev 2.1 1993	Chloride	88.7	mg/L	9.0	11/19/24 17:19	M1
EPA 300.0 Rev 2.1 1993	Fluoride	0.077J	mg/L	0.10	11/19/24 09:43	
EPA 300.0 Rev 2.1 1993	Sulfate	361	mg/L	9.0	11/19/24 17:19	M1
92764273007	**HAM-AP2-EB-01**					
EPA 6010D	Iron	0.031J	mg/L	0.040	11/19/24 18:55	
EPA 6010D	Sodium	1.0	mg/L	1.0	11/19/24 18:55	
EPA 6010D	Calcium	0.57J	mg/L	1.0	11/19/24 18:55	
EPA 6010D	Magnesium	0.13	mg/L	0.050	11/19/24 18:55	
EPA 6020B	Barium	0.0030J	mg/L	0.0050	11/22/24 16:03	
EPA 6020B	Boron	0.013J	mg/L	0.040	11/22/24 16:03	
EPA 6020B	Lead	0.00033J	mg/L	0.0010	11/22/24 16:03	
SM 2540C-2015	Total Dissolved Solids	77.0	mg/L	25.0	11/19/24 12:46	
92764273008	**HAM-AP2-FB-01**					
EPA 6020B	Boron	0.038J	mg/L	0.040	11/22/24 14:31	
SM 2540C-2015	Total Dissolved Solids	111	mg/L	25.0	11/19/24 12:47	
92764273009	**HAM-AP2-FD-01**					
EPA 6010D	Iron	6.1	mg/L	0.040	11/19/24 19:04	
EPA 6010D	Manganese	6.0	mg/L	0.040	11/19/24 19:04	
EPA 6010D	Potassium	6.9	mg/L	0.50	11/19/24 19:04	
EPA 6010D	Sodium	86.2	mg/L	1.0	11/19/24 19:04	
EPA 6010D	Calcium	211	mg/L	1.0	11/19/24 19:04	
EPA 6010D	Magnesium	20.5	mg/L	0.050	11/19/24 19:04	
EPA 6020B	Arsenic	0.0028J	mg/L	0.0050	11/22/24 14:35	

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SUMMARY OF DETECTION

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92764273009	**HAM-AP2-FD-01**					
EPA 6020B	Barium	0.036	mg/L	0.0050	11/22/24 14:35	
EPA 6020B	Boron	5.2	mg/L	0.40	11/22/24 16:40	
EPA 6020B	Cobalt	0.020	mg/L	0.0050	11/22/24 14:35	
EPA 6020B	Selenium	0.0014J	mg/L	0.0050	11/22/24 14:35	
SM 2540C-2015	Total Dissolved Solids	1110	mg/L	25.0	11/19/24 12:46	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	136	mg/L	5.0	11/20/24 21:51	
SM 2320B-2011	Alkalinity, Total as CaCO3	136	mg/L	5.0	11/20/24 21:51	
EPA 300.0 Rev 2.1 1993	Chloride	97.1	mg/L	1.0	11/19/24 10:29	
EPA 300.0 Rev 2.1 1993	Fluoride	0.13	mg/L	0.10	11/19/24 10:29	
EPA 300.0 Rev 2.1 1993	Sulfate	435	mg/L	10.0	11/19/24 18:35	

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ANALYTICAL RESULTS

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Sample: HAM-PT-01 **Lab ID: 92764273001** Collected: 11/14/24 11:11 Received: 11/18/24 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**3.9**	mg/L	0.040	0.025	1	11/19/24 14:42	11/19/24 18:00	7439-89-6	
Manganese	**1.3**	mg/L	0.040	0.011	1	11/19/24 14:42	11/19/24 18:00	7439-96-5	
Potassium	**11.3**	mg/L	0.50	0.15	1	11/19/24 14:42	11/19/24 18:00	7440-09-7	
Sodium	**39.9**	mg/L	1.0	0.58	1	11/19/24 14:42	11/19/24 18:00	7440-23-5	
Calcium	**62.3**	mg/L	1.0	0.12	1	11/19/24 14:42	11/19/24 18:00	7440-70-2	
Magnesium	**6.3**	mg/L	0.050	0.012	1	11/19/24 14:42	11/19/24 18:00	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	11/19/24 14:33	11/22/24 13:41	7440-36-0	
Arsenic	**0.0011J**	mg/L	0.0050	0.00084	1	11/19/24 14:33	11/22/24 13:41	7440-38-2	
Barium	**0.025**	mg/L	0.0050	0.00047	1	11/19/24 14:33	11/22/24 13:41	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	11/19/24 14:33	11/22/24 13:41	7440-41-7	
Boron	**2.1**	mg/L	0.40	0.12	10	11/19/24 14:33	11/22/24 16:07	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	11/19/24 14:33	11/22/24 13:41	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	11/19/24 14:33	11/22/24 13:41	7440-47-3	
Cobalt	**0.0048J**	mg/L	0.0050	0.00032	1	11/19/24 14:33	11/22/24 13:41	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	11/19/24 14:33	11/22/24 13:41	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	11/19/24 14:33	11/22/24 13:41	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	11/19/24 14:33	11/22/24 13:41	7439-98-7	
Selenium	**0.0011J**	mg/L	0.0050	0.00096	1	11/19/24 14:33	11/22/24 13:41	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	11/19/24 14:33	11/22/24 13:41	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	11/26/24 11:00	11/26/24 14:36	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**393**	mg/L	25.0	25.0	1		11/19/24 12:43		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**67.3**	mg/L	5.0	5.0	1		11/20/24 19:25		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		11/20/24 19:25		
Alkalinity, Total as CaCO3	**67.3**	mg/L	5.0	5.0	1		11/20/24 19:25		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		11/20/24 03:43	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**21.9**	mg/L	1.0	0.60	1		11/19/24 07:41	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Sample: HAM-PT-01 **Lab ID: 92764273001** Collected: 11/14/24 11:11 Received: 11/18/24 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.17**	mg/L	0.10	0.050	1		11/19/24 07:41	16984-48-8	
Sulfate	**136**	mg/L	3.0	1.5	3		11/19/24 16:34	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Sample: HAM-PT-02 **Lab ID: 92764273002** Collected: 11/14/24 13:18 Received: 11/18/24 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**5.7**	mg/L	0.040	0.025	1	11/19/24 14:42	11/19/24 18:05	7439-89-6	
Manganese	**6.6**	mg/L	0.040	0.011	1	11/19/24 14:42	11/19/24 18:05	7439-96-5	
Potassium	**6.7**	mg/L	0.50	0.15	1	11/19/24 14:42	11/19/24 18:05	7440-09-7	
Sodium	**86.5**	mg/L	1.0	0.58	1	11/19/24 14:42	11/19/24 18:05	7440-23-5	M1
Calcium	**243**	mg/L	1.0	0.12	1	11/19/24 14:42	11/19/24 18:05	7440-70-2	M1
Magnesium	**23.6**	mg/L	0.050	0.012	1	11/19/24 14:42	11/19/24 18:05	7439-95-4	M1
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	**0.00055J**	mg/L	0.0030	0.00054	1	11/19/24 14:33	11/22/24 13:57	7440-36-0	
Arsenic	**0.0023J**	mg/L	0.0050	0.00084	1	11/19/24 14:33	11/22/24 13:57	7440-38-2	
Barium	**0.038**	mg/L	0.0050	0.00047	1	11/19/24 14:33	11/22/24 13:57	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	11/19/24 14:33	11/22/24 13:57	7440-41-7	
Boron	**5.5**	mg/L	0.40	0.12	10	11/19/24 14:33	11/22/24 16:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	11/19/24 14:33	11/22/24 13:57	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	11/19/24 14:33	11/22/24 13:57	7440-47-3	
Cobalt	**0.022**	mg/L	0.0050	0.00032	1	11/19/24 14:33	11/22/24 13:57	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	11/19/24 14:33	11/22/24 13:57	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	11/19/24 14:33	11/22/24 13:57	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	11/19/24 14:33	11/22/24 13:57	7439-98-7	
Selenium	**0.0011J**	mg/L	0.0050	0.00096	1	11/19/24 14:33	11/22/24 13:57	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	11/19/24 14:33	11/22/24 13:57	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	11/26/24 11:00	11/26/24 14:39	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1340**	mg/L	50.0	50.0	1		11/19/24 12:44		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**127**	mg/L	5.0	5.0	1		11/20/24 19:33		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		11/20/24 19:33		
Alkalinity, Total as CaCO3	**127**	mg/L	5.0	5.0	1		11/20/24 19:33		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		11/20/24 03:43	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**83.6**	mg/L	10.0	6.0	10		11/19/24 08:26	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Sample: HAM-PT-02 **Lab ID: 92764273002** Collected: 11/14/24 13:18 Received: 11/18/24 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.12**	mg/L	0.10	0.050	1		11/19/24 09:12	16984-48-8	
Sulfate	**469**	mg/L	10.0	5.0	10		11/19/24 08:26	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Sample: HAM-PT-03 **Lab ID: 92764273003** Collected: 11/14/24 09:51 Received: 11/18/24 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**0.091**	mg/L	0.040	0.025	1	11/19/24 14:42	11/19/24 18:25	7439-89-6	
Manganese	**4.1**	mg/L	0.040	0.011	1	11/19/24 14:42	11/19/24 18:25	7439-96-5	
Potassium	**8.8**	mg/L	0.50	0.15	1	11/19/24 14:42	11/19/24 18:25	7440-09-7	
Sodium	**77.6**	mg/L	1.0	0.58	1	11/19/24 14:42	11/19/24 18:25	7440-23-5	
Calcium	**246**	mg/L	1.0	0.12	1	11/19/24 14:42	11/19/24 18:25	7440-70-2	
Magnesium	**22.1**	mg/L	0.050	0.012	1	11/19/24 14:42	11/19/24 18:25	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	11/19/24 14:33	11/22/24 14:01	7440-36-0	
Arsenic	**0.0024J**	mg/L	0.0050	0.00084	1	11/19/24 14:33	11/22/24 14:01	7440-38-2	
Barium	**0.024**	mg/L	0.0050	0.00047	1	11/19/24 14:33	11/22/24 14:01	7440-39-3	
Beryllium	**0.0012**	mg/L	0.00050	0.000094	1	11/19/24 14:33	11/22/24 14:01	7440-41-7	
Boron	**6.1**	mg/L	0.40	0.12	10	11/19/24 14:33	11/22/24 16:23	7440-42-8	
Cadmium	**0.00034J**	mg/L	0.00050	0.00010	1	11/19/24 14:33	11/22/24 14:01	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	11/19/24 14:33	11/22/24 14:01	7440-47-3	
Cobalt	**0.061**	mg/L	0.0050	0.00032	1	11/19/24 14:33	11/22/24 14:01	7440-48-4	
Lead	**0.0011**	mg/L	0.0010	0.00016	1	11/19/24 14:33	11/22/24 14:01	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	11/19/24 14:33	11/22/24 14:01	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	11/19/24 14:33	11/22/24 14:01	7439-98-7	
Selenium	**0.0040J**	mg/L	0.0050	0.00096	1	11/19/24 14:33	11/22/24 14:01	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	11/19/24 14:33	11/22/24 14:01	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	11/26/24 11:00	11/26/24 14:41	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1330**	mg/L	50.0	50.0	1		11/19/24 12:44		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**33.6**	mg/L	5.0	5.0	1		11/20/24 19:50		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		11/20/24 19:50		
Alkalinity, Total as CaCO3	**33.6**	mg/L	5.0	5.0	1		11/20/24 19:50		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		11/20/24 03:44	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**93.7**	mg/L	1.0	0.60	1		11/19/24 20:56	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Sample: HAM-PT-03 **Lab ID: 92764273003** Collected: 11/14/24 09:51 Received: 11/18/24 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.44**	mg/L	0.10	0.050	1		11/19/24 20:56	16984-48-8	
Sulfate	**576**	mg/L	10.0	5.0	10		11/19/24 08:42	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Sample: HAM-PT-04 **Lab ID: 92764273004** Collected: 11/14/24 13:59 Received: 11/18/24 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**5.6**	mg/L	0.040	0.025	1	11/19/24 14:42	11/19/24 18:30	7439-89-6	
Manganese	**10.1**	mg/L	0.040	0.011	1	11/19/24 14:42	11/19/24 18:30	7439-96-5	
Potassium	**5.9**	mg/L	0.50	0.15	1	11/19/24 14:42	11/19/24 18:30	7440-09-7	
Sodium	**78.8**	mg/L	1.0	0.58	1	11/19/24 14:42	11/19/24 18:30	7440-23-5	
Calcium	**249**	mg/L	1.0	0.12	1	11/19/24 14:42	11/19/24 18:30	7440-70-2	
Magnesium	**18.5**	mg/L	0.050	0.012	1	11/19/24 14:42	11/19/24 18:30	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	11/19/24 14:33	11/22/24 14:06	7440-36-0	
Arsenic	**0.0088**	mg/L	0.0050	0.00084	1	11/19/24 14:33	11/22/24 14:06	7440-38-2	
Barium	**0.025**	mg/L	0.0050	0.00047	1	11/19/24 14:33	11/22/24 14:06	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	11/19/24 14:33	11/22/24 14:06	7440-41-7	
Boron	**6.2**	mg/L	0.40	0.12	10	11/19/24 14:33	11/22/24 16:28	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	11/19/24 14:33	11/22/24 14:06	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	11/19/24 14:33	11/22/24 14:06	7440-47-3	
Cobalt	**0.034**	mg/L	0.0050	0.00032	1	11/19/24 14:33	11/22/24 14:06	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	11/19/24 14:33	11/22/24 14:06	7439-92-1	
Lithium	**0.0030J**	mg/L	0.030	0.0016	1	11/19/24 14:33	11/22/24 14:06	7439-93-2	
Molybdenum	**0.00080J**	mg/L	0.010	0.00062	1	11/19/24 14:33	11/22/24 14:06	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	11/19/24 14:33	11/22/24 14:06	7782-49-2	
Thallium	**0.00062J**	mg/L	0.0010	0.00038	1	11/19/24 14:33	11/22/24 14:06	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	11/26/24 11:00	11/26/24 14:44	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1260**	mg/L	50.0	50.0	1		11/19/24 12:44		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**281**	mg/L	5.0	5.0	1		11/20/24 20:08		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		11/20/24 20:08		
Alkalinity, Total as CaCO3	**281**	mg/L	5.0	5.0	1		11/20/24 20:08		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		11/20/24 03:44	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**99.0**	mg/L	1.0	0.60	1		11/19/24 08:57	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Sample: HAM-PT-04 **Lab ID: 92764273004** Collected: 11/14/24 13:59 Received: 11/18/24 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.092J**	mg/L	0.10	0.050	1		11/19/24 08:57	16984-48-8	
Sulfate	**346**	mg/L	8.0	4.0	8		11/19/24 16:49	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Sample: HAM-PT-05 **Lab ID: 92764273005** Collected: 11/14/24 11:57 Received: 11/18/24 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**0.74**	mg/L	0.040	0.025	1	11/19/24 14:42	11/19/24 18:45	7439-89-6	
Manganese	**4.0**	mg/L	0.040	0.011	1	11/19/24 14:42	11/19/24 18:45	7439-96-5	
Potassium	**4.2**	mg/L	0.50	0.15	1	11/19/24 14:42	11/19/24 18:45	7440-09-7	
Sodium	**275**	mg/L	1.0	0.58	1	11/19/24 14:42	11/19/24 18:45	7440-23-5	
Calcium	**166**	mg/L	1.0	0.12	1	11/19/24 14:42	11/19/24 18:45	7440-70-2	
Magnesium	**14.8**	mg/L	0.050	0.012	1	11/19/24 14:42	11/19/24 18:45	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	11/19/24 14:33	11/22/24 14:10	7440-36-0	
Arsenic	**0.00096J**	mg/L	0.0050	0.00084	1	11/19/24 14:33	11/22/24 14:10	7440-38-2	
Barium	**0.027**	mg/L	0.0050	0.00047	1	11/19/24 14:33	11/22/24 14:10	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	11/19/24 14:33	11/22/24 14:10	7440-41-7	
Boron	**5.9**	mg/L	0.40	0.12	10	11/19/24 14:33	11/22/24 16:32	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	11/19/24 14:33	11/22/24 14:10	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	11/19/24 14:33	11/22/24 14:10	7440-47-3	
Cobalt	**0.0099**	mg/L	0.0050	0.00032	1	11/19/24 14:33	11/22/24 14:10	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	11/19/24 14:33	11/22/24 14:10	7439-92-1	
Lithium	**0.0025J**	mg/L	0.030	0.0016	1	11/19/24 14:33	11/22/24 14:10	7439-93-2	
Molybdenum	**0.00084J**	mg/L	0.010	0.00062	1	11/19/24 14:33	11/22/24 14:10	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	11/19/24 14:33	11/22/24 14:10	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	11/19/24 14:33	11/22/24 14:10	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	11/26/24 11:00	11/26/24 14:52	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1340**	mg/L	50.0	50.0	1		11/19/24 12:45		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**473**	mg/L	5.0	5.0	1		11/21/24 18:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		11/21/24 18:29		
Alkalinity, Total as CaCO3	**473**	mg/L	5.0	5.0	1		11/21/24 18:29		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		11/20/24 03:44	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**90.5**	mg/L	8.0	4.8	8		11/19/24 17:04	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Sample: HAM-PT-05 **Lab ID: 92764273005** Collected: 11/14/24 11:57 Received: 11/18/24 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.093J**	mg/L	0.10	0.050	1		11/19/24 09:27	16984-48-8	
Sulfate	**354**	mg/L	8.0	4.0	8		11/19/24 17:04	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Sample: HAM-PT-06 **Lab ID: 92764273006** Collected: 11/14/24 10:33 Received: 11/18/24 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**1.9**	mg/L	0.040	0.025	1	11/19/24 14:42	11/19/24 18:50	7439-89-6	
Manganese	**8.4**	mg/L	0.040	0.011	1	11/19/24 14:42	11/19/24 18:50	7439-96-5	
Potassium	**5.9**	mg/L	0.50	0.15	1	11/19/24 14:42	11/19/24 18:50	7440-09-7	
Sodium	**138**	mg/L	1.0	0.58	1	11/19/24 14:42	11/19/24 18:50	7440-23-5	
Calcium	**242**	mg/L	1.0	0.12	1	11/19/24 14:42	11/19/24 18:50	7440-70-2	
Magnesium	**19.7**	mg/L	0.050	0.012	1	11/19/24 14:42	11/19/24 18:50	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	11/19/24 14:33	11/22/24 14:22	7440-36-0	
Arsenic	**0.0030J**	mg/L	0.0050	0.00084	1	11/19/24 14:33	11/22/24 14:22	7440-38-2	
Barium	**0.026**	mg/L	0.0050	0.00047	1	11/19/24 14:33	11/22/24 14:22	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	11/19/24 14:33	11/22/24 14:22	7440-41-7	
Boron	**6.3**	mg/L	0.40	0.12	10	11/19/24 14:33	11/22/24 16:36	7440-42-8	
Cadmium	**0.00011J**	mg/L	0.00050	0.00010	1	11/19/24 14:33	11/22/24 14:22	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	11/19/24 14:33	11/22/24 14:22	7440-47-3	
Cobalt	**0.022**	mg/L	0.0050	0.00032	1	11/19/24 14:33	11/22/24 14:22	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	11/19/24 14:33	11/22/24 14:22	7439-92-1	
Lithium	**0.0033J**	mg/L	0.030	0.0016	1	11/19/24 14:33	11/22/24 14:22	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	11/19/24 14:33	11/22/24 14:22	7439-98-7	
Selenium	**0.0012J**	mg/L	0.0050	0.00096	1	11/19/24 14:33	11/22/24 14:22	7782-49-2	
Thallium	**0.00051J**	mg/L	0.0010	0.00038	1	11/19/24 14:33	11/22/24 14:22	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	11/26/24 11:00	11/26/24 14:55	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1260**	mg/L	50.0	50.0	1		11/19/24 12:46		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**335**	mg/L	5.0	5.0	1		11/20/24 21:24		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		11/20/24 21:24		
Alkalinity, Total as CaCO3	**335**	mg/L	5.0	5.0	1		11/20/24 21:24		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		11/20/24 03:45	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**88.7**	mg/L	9.0	5.4	9		11/19/24 17:19	16887-00-6	M1

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ANALYTICAL RESULTS

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Sample: HAM-PT-06 **Lab ID: 92764273006** Collected: 11/14/24 10:33 Received: 11/18/24 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.077J**	mg/L	0.10	0.050	1		11/19/24 09:43	16984-48-8	
Sulfate	**361**	mg/L	9.0	4.5	9		11/19/24 17:19	14808-79-8	M1

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ANALYTICAL RESULTS

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Sample: HAM-AP2-EB-01 **Lab ID: 92764273007** Collected: 11/15/24 10:50 Received: 11/18/24 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**0.031J**	mg/L	0.040	0.025	1	11/19/24 14:42	11/19/24 18:55	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	11/19/24 14:42	11/19/24 18:55	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	11/19/24 14:42	11/19/24 18:55	7440-09-7	
Sodium	**1.0**	mg/L	1.0	0.58	1	11/19/24 14:42	11/19/24 18:55	7440-23-5	
Calcium	**0.57J**	mg/L	1.0	0.12	1	11/19/24 14:42	11/19/24 18:55	7440-70-2	
Magnesium	**0.13**	mg/L	0.050	0.012	1	11/19/24 14:42	11/19/24 18:55	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	11/19/24 14:33	11/22/24 16:03	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	11/19/24 14:33	11/22/24 16:03	7440-38-2	
Barium	**0.0030J**	mg/L	0.0050	0.00047	1	11/19/24 14:33	11/22/24 16:03	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	11/19/24 14:33	11/22/24 16:03	7440-41-7	
Boron	**0.013J**	mg/L	0.040	0.012	1	11/19/24 14:33	11/22/24 16:03	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	11/19/24 14:33	11/22/24 16:03	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	11/19/24 14:33	11/22/24 16:03	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	11/19/24 14:33	11/22/24 16:03	7440-48-4	
Lead	**0.00033J**	mg/L	0.0010	0.00016	1	11/19/24 14:33	11/22/24 16:03	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	11/19/24 14:33	11/22/24 16:03	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	11/19/24 14:33	11/22/24 16:03	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	11/19/24 14:33	11/22/24 16:03	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	11/19/24 14:33	11/22/24 16:03	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	11/26/24 11:00	11/26/24 14:57	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**77.0**	mg/L	25.0	25.0	1		11/19/24 12:46		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		11/21/24 18:51		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		11/21/24 18:51		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		11/21/24 18:51		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		11/20/24 03:46	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		11/19/24 00:16	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Sample: HAM-AP2-EB-01 **Lab ID: 92764273007** Collected: 11/15/24 10:50 Received: 11/18/24 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		11/19/24 00:16	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		11/19/24 00:16	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Sample: HAM-AP2-FB-01 **Lab ID: 92764273008** Collected: 11/15/24 10:45 Received: 11/18/24 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	ND	mg/L	0.040	0.025	1	11/19/24 14:42	11/19/24 18:59	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	11/19/24 14:42	11/19/24 18:59	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	11/19/24 14:42	11/19/24 18:59	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	11/19/24 14:42	11/19/24 18:59	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	11/19/24 14:42	11/19/24 18:59	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	11/19/24 14:42	11/19/24 18:59	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	11/19/24 14:33	11/22/24 14:31	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	11/19/24 14:33	11/22/24 14:31	7440-38-2	
Barium	ND	mg/L	0.0050	0.00047	1	11/19/24 14:33	11/22/24 14:31	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	11/19/24 14:33	11/22/24 14:31	7440-41-7	
Boron	**0.038J**	mg/L	0.040	0.012	1	11/19/24 14:33	11/22/24 14:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	11/19/24 14:33	11/22/24 14:31	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	11/19/24 14:33	11/22/24 14:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	11/19/24 14:33	11/22/24 14:31	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	11/19/24 14:33	11/22/24 14:31	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	11/19/24 14:33	11/22/24 14:31	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	11/19/24 14:33	11/22/24 14:31	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	11/19/24 14:33	11/22/24 14:31	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	11/19/24 14:33	11/22/24 14:31	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	11/26/24 11:00	11/26/24 15:00	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**111**	mg/L	25.0	25.0	1		11/19/24 12:47		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		11/21/24 18:55		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		11/21/24 18:55		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		11/21/24 18:55		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		11/20/24 03:46	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		11/19/24 00:31	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Sample: HAM-AP2-FB-01 **Lab ID: 92764273008** Collected: 11/15/24 10:45 Received: 11/18/24 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	ND	mg/L	0.10	0.050	1		11/19/24 00:31	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		11/19/24 00:31	14808-79-8	

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ANALYTICAL RESULTS

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Sample: HAM-AP2-FD-01 **Lab ID: 92764273009** Collected: 11/14/24 00:00 Received: 11/18/24 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	**6.1**	mg/L	0.040	0.025	1	11/19/24 14:42	11/19/24 19:04	7439-89-6	
Manganese	**6.0**	mg/L	0.040	0.011	1	11/19/24 14:42	11/19/24 19:04	7439-96-5	
Potassium	**6.9**	mg/L	0.50	0.15	1	11/19/24 14:42	11/19/24 19:04	7440-09-7	
Sodium	**86.2**	mg/L	1.0	0.58	1	11/19/24 14:42	11/19/24 19:04	7440-23-5	
Calcium	**211**	mg/L	1.0	0.12	1	11/19/24 14:42	11/19/24 19:04	7440-70-2	
Magnesium	**20.5**	mg/L	0.050	0.012	1	11/19/24 14:42	11/19/24 19:04	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	11/19/24 14:33	11/22/24 14:35	7440-36-0	
Arsenic	**0.0028J**	mg/L	0.0050	0.00084	1	11/19/24 14:33	11/22/24 14:35	7440-38-2	
Barium	**0.036**	mg/L	0.0050	0.00047	1	11/19/24 14:33	11/22/24 14:35	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	11/19/24 14:33	11/22/24 14:35	7440-41-7	
Boron	**5.2**	mg/L	0.40	0.12	10	11/19/24 14:33	11/22/24 16:40	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	11/19/24 14:33	11/22/24 14:35	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	11/19/24 14:33	11/22/24 14:35	7440-47-3	
Cobalt	**0.020**	mg/L	0.0050	0.00032	1	11/19/24 14:33	11/22/24 14:35	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	11/19/24 14:33	11/22/24 14:35	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	11/19/24 14:33	11/22/24 14:35	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	11/19/24 14:33	11/22/24 14:35	7439-98-7	
Selenium	**0.0014J**	mg/L	0.0050	0.00096	1	11/19/24 14:33	11/22/24 14:35	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	11/19/24 14:33	11/22/24 14:35	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	11/26/24 11:00	11/26/24 15:02	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**1110**	mg/L	25.0	25.0	1		11/19/24 12:46		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	**136**	mg/L	5.0	5.0	1		11/20/24 21:51		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		11/20/24 21:51		
Alkalinity, Total as CaCO3	**136**	mg/L	5.0	5.0	1		11/20/24 21:51		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		11/20/24 03:45	18496-25-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**97.1**	mg/L	1.0	0.60	1		11/19/24 10:29	16887-00-6	

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ANALYTICAL RESULTS

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Sample: HAM-AP2-FD-01 **Lab ID: 92764273009** Collected: 11/14/24 00:00 Received: 11/18/24 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Fluoride	**0.13**	mg/L	0.10	0.050	1		11/19/24 10:29	16984-48-8	
Sulfate	**435**	mg/L	10.0	5.0	10		11/19/24 18:35	14808-79-8	

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QUALITY CONTROL DATA

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

QC Batch: 897026
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92764273001, 92764273002, 92764273003, 92764273004, 92764273005, 92764273006, 92764273007, 92764273008, 92764273009

METHOD BLANK: 4617619 Matrix: Water
Associated Lab Samples: 92764273001, 92764273002, 92764273003, 92764273004, 92764273005, 92764273006, 92764273007, 92764273008, 92764273009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	11/19/24 17:50	
Iron	mg/L	ND	0.040	0.025	11/19/24 17:50	
Magnesium	mg/L	ND	0.050	0.012	11/19/24 17:50	
Manganese	mg/L	ND	0.040	0.011	11/19/24 17:50	
Potassium	mg/L	ND	0.50	0.15	11/19/24 17:50	
Sodium	mg/L	ND	1.0	0.58	11/19/24 17:50	

LABORATORY CONTROL SAMPLE: 4617620

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	103	80-120	
Iron	mg/L	1	1.0	104	80-120	
Magnesium	mg/L	1	1.0	102	80-120	
Manganese	mg/L	1	0.96	96	80-120	
Potassium	mg/L	1	0.98	98	80-120	
Sodium	mg/L	1	1.0	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4617621 4617622

Parameter	Units	92764273002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	243	1	1	246	245	286	215	75-125	0	20	M1
Iron	mg/L	5.7	1	1	6.9	6.8	113	105	75-125	1	20	
Magnesium	mg/L	23.6	1	1	25.1	24.7	156	116	75-125	2	20	M1
Manganese	mg/L	6.6	1	1	7.7	7.6	107	98	75-125	1	20	
Potassium	mg/L	6.7	1	1	7.9	7.7	120	106	75-125	2	20	
Sodium	mg/L	86.5	1	1	89.2	87.5	280	102	75-125	2	20	M1

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QUALITY CONTROL DATA

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

QC Batch: 897025
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92764273001, 92764273002, 92764273003, 92764273004, 92764273005, 92764273006, 92764273007, 92764273008, 92764273009

METHOD BLANK: 4617611 Matrix: Water
Associated Lab Samples: 92764273001, 92764273002, 92764273003, 92764273004, 92764273005, 92764273006, 92764273007, 92764273008, 92764273009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00054	11/22/24 13:33	
Arsenic	mg/L	ND	0.0050	0.00084	11/22/24 13:33	
Barium	mg/L	ND	0.0050	0.00047	11/22/24 13:33	
Beryllium	mg/L	ND	0.00050	0.000094	11/22/24 13:33	
Boron	mg/L	ND	0.040	0.012	11/22/24 13:33	
Cadmium	mg/L	ND	0.00050	0.00010	11/22/24 13:33	
Chromium	mg/L	ND	0.0050	0.0019	11/22/24 13:33	
Cobalt	mg/L	ND	0.0050	0.00032	11/22/24 13:33	
Lead	mg/L	ND	0.0010	0.00016	11/22/24 13:33	
Lithium	mg/L	ND	0.030	0.0016	11/22/24 13:33	
Molybdenum	mg/L	ND	0.010	0.00062	11/22/24 13:33	
Selenium	mg/L	ND	0.0050	0.00096	11/22/24 13:33	
Thallium	mg/L	ND	0.0010	0.00038	11/22/24 13:33	

LABORATORY CONTROL SAMPLE: 4617612

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.098	98	80-120	
Arsenic	mg/L	0.1	0.097	97	80-120	
Barium	mg/L	0.1	0.096	96	80-120	
Beryllium	mg/L	0.1	0.099	99	80-120	
Boron	mg/L	1	1.0	101	80-120	
Cadmium	mg/L	0.1	0.099	99	80-120	
Chromium	mg/L	0.1	0.099	99	80-120	
Cobalt	mg/L	0.1	0.099	99	80-120	
Lead	mg/L	0.1	0.098	98	80-120	
Lithium	mg/L	0.1	0.10	100	80-120	
Molybdenum	mg/L	0.1	0.10	101	80-120	
Selenium	mg/L	0.1	0.099	99	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4617613 4617614

Parameter	Units	92764273001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	99	101	75-125	2	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4617613 4617614

Parameter	Units	92764273001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	0.0011J	0.1	0.1	0.10	0.10	99	101	75-125	1	20	
Barium	mg/L	0.025	0.1	0.1	0.13	0.13	109	110	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.094	0.095	94	95	75-125	1	20	
Boron	mg/L	2.1	1	1	3.1	3.0	97	94	75-125	1	20	
Cadmium	mg/L	ND	0.1	0.1	0.098	0.098	98	98	75-125	0	20	
Chromium	mg/L	ND	0.1	0.1	0.098	0.10	98	100	75-125	2	20	
Cobalt	mg/L	0.0048J	0.1	0.1	0.10	0.10	97	100	75-125	3	20	
Lead	mg/L	ND	0.1	0.1	0.090	0.091	90	91	75-125	1	20	
Lithium	mg/L	ND	0.1	0.1	0.096	0.097	96	97	75-125	1	20	
Molybdenum	mg/L	ND	0.1	0.1	0.10	0.10	102	104	75-125	2	20	
Selenium	mg/L	0.0011J	0.1	0.1	0.098	0.10	97	99	75-125	2	20	
Thallium	mg/L	ND	0.1	0.1	0.091	0.092	91	92	75-125	1	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

QC Batch: 898498
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92764273001, 92764273002, 92764273003, 92764273004, 92764273005, 92764273006, 92764273007, 92764273008, 92764273009

METHOD BLANK: 4625601 Matrix: Water
Associated Lab Samples: 92764273001, 92764273002, 92764273003, 92764273004, 92764273005, 92764273006, 92764273007, 92764273008, 92764273009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	11/26/24 13:55	

LABORATORY CONTROL SAMPLE: 4625602

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4625603 4625604

Parameter	Units	92764168001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0027	0.0027	107	107	75-125	0	20	

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QUALITY CONTROL DATA

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

QC Batch: 896923
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92764273001, 92764273002, 92764273003, 92764273004, 92764273005, 92764273006, 92764273007, 92764273008, 92764273009

METHOD BLANK: 4617130 Matrix: Water
Associated Lab Samples: 92764273001, 92764273002, 92764273003, 92764273004, 92764273005, 92764273006, 92764273007, 92764273008, 92764273009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	11/19/24 12:41	

LABORATORY CONTROL SAMPLE: 4617131

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	409	102	80-120	

SAMPLE DUPLICATE: 4617132

Parameter	Units	92763574001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	16800	16900	0	10	

SAMPLE DUPLICATE: 4617133

Parameter	Units	92764273004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1260	1260	0	10	

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QUALITY CONTROL DATA

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

QC Batch: 897320
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92764273001, 92764273002, 92764273003, 92764273004

METHOD BLANK: 4619071 Matrix: Water
Associated Lab Samples: 92764273001, 92764273002, 92764273003, 92764273004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	11/20/24 14:57	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	11/20/24 14:57	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	11/20/24 14:57	

LABORATORY CONTROL SAMPLE: 4619072

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.3	103	80-120	

LABORATORY CONTROL SAMPLE: 4619073

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.5	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4619074 4619075

Parameter	Units	92764273003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	33.6	50	50	82.0	82.8	97	98	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4619076 4619077

Parameter	Units	92764273004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	281	50	50	323	330	86	98	80-120	2	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

QC Batch: 897348
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92764273006, 92764273009

METHOD BLANK: 4619285 Matrix: Water
Associated Lab Samples: 92764273006, 92764273009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	11/20/24 20:44	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	11/20/24 20:44	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	11/20/24 20:44	

LABORATORY CONTROL SAMPLE: 4619286

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.5	101	80-120	

LABORATORY CONTROL SAMPLE: 4619287

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.0	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4619290 4619291

Parameter	Units	92764273006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	335	50	50	378	377	85	84	80-120	0	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

QC Batch: 897719
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92764273005, 92764273007, 92764273008

METHOD BLANK: 4621294 Matrix: Water
Associated Lab Samples: 92764273005, 92764273007, 92764273008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	11/21/24 18:10	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	11/21/24 18:10	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	11/21/24 18:10	

LABORATORY CONTROL SAMPLE: 4621295

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.4	103	80-120	

LABORATORY CONTROL SAMPLE: 4621296

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.5	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4621297 4621298

Parameter	Units	92764884002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	41.6	50	50	91.3	91.4	99	100	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4621299 4621300

Parameter	Units	92764886001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	28.5	50	50	77.4	78.0	98	99	80-120	1	25	

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QUALITY CONTROL DATA

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

QC Batch: 896846
QC Batch Method: SM 4500-S2D-2011
Analysis Method: SM 4500-S2D-2011
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92764273001, 92764273002, 92764273003, 92764273004, 92764273005, 92764273006, 92764273007, 92764273008, 92764273009

METHOD BLANK: 4616932 Matrix: Water
Associated Lab Samples: 92764273001, 92764273002, 92764273003, 92764273004, 92764273005, 92764273006, 92764273007, 92764273008, 92764273009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	11/20/24 03:37	

LABORATORY CONTROL SAMPLE: 4616933

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.53	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4616934 4616935

Parameter	Units	92763636002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.54	0.56	106	110	80-120	3	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4616936 4616937

Parameter	Units	92763967033 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.52	0.53	104	105	80-120	1	10	

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QUALITY CONTROL DATA

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

QC Batch: 896750
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92764273001, 92764273002, 92764273003, 92764273004, 92764273005

METHOD BLANK: 4616328 Matrix: Water
Associated Lab Samples: 92764273001, 92764273002, 92764273003, 92764273004, 92764273005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	11/18/24 20:06	
Fluoride	mg/L	ND	0.10	0.050	11/18/24 20:06	
Sulfate	mg/L	ND	1.0	0.50	11/18/24 20:06	

LABORATORY CONTROL SAMPLE: 4616329

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.1	102	90-110	
Fluoride	mg/L	2.5	2.5	101	90-110	
Sulfate	mg/L	50	50.8	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4616330 4616331

Parameter	Units	92764302001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	2.5	50	50	53.0	55.8	101	107	90-110	5	10	
Fluoride	mg/L	0.33	2.5	2.5	2.8	3.0	101	106	90-110	4	10	
Sulfate	mg/L	ND	50	50	49.6	52.1	98	103	90-110	5	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4616332 4616333

Parameter	Units	92764302007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	51.3	50	50	86.2	86.6	70	71	90-110	0	10	M1
Fluoride	mg/L	0.10	2.5	2.5	2.8	2.8	106	108	90-110	2	10	
Sulfate	mg/L	ND	50	50	51.0	51.9	101	103	90-110	2	10	

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QUALITY CONTROL DATA

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

QC Batch: 896751
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92764273006, 92764273007, 92764273008, 92764273009

METHOD BLANK: 4616339 Matrix: Water
Associated Lab Samples: 92764273006, 92764273007, 92764273008, 92764273009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	11/18/24 20:36	
Fluoride	mg/L	ND	0.10	0.050	11/18/24 20:36	
Sulfate	mg/L	ND	1.0	0.50	11/18/24 20:36	

LABORATORY CONTROL SAMPLE: 4616340

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.8	104	90-110	
Fluoride	mg/L	2.5	2.5	101	90-110	
Sulfate	mg/L	50	51.5	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4616341 4616342

Parameter	Units	92764273006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	88.7	50	50	134	132	90	87	90-110	1	10	M1
Fluoride	mg/L	0.077J	2.5	2.5	2.7	2.7	103	106	90-110	3	10	
Sulfate	mg/L	361	50	50	411	402	101	84	90-110	2	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4616454 4616455

Parameter	Units	92764391004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	18.5	50	50	68.8	68.9	101	101	90-110	0	10	
Fluoride	mg/L	0.16	2.5	2.5	2.6	2.6	99	99	90-110	0	10	
Sulfate	mg/L	11.6	50	50	62.2	62.2	101	101	90-110	0	10	

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QUALIFIERS

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92764273001	**HAM-PT-01**	EPA 3010A	897026	EPA 6010D	897104
92764273002	**HAM-PT-02**	EPA 3010A	897026	EPA 6010D	897104
92764273003	**HAM-PT-03**	EPA 3010A	897026	EPA 6010D	897104
92764273004	**HAM-PT-04**	EPA 3010A	897026	EPA 6010D	897104
92764273005	**HAM-PT-05**	EPA 3010A	897026	EPA 6010D	897104
92764273006	**HAM-PT-06**	EPA 3010A	897026	EPA 6010D	897104
92764273007	**HAM-AP2-EB-01**	EPA 3010A	897026	EPA 6010D	897104
92764273008	**HAM-AP2-FB-01**	EPA 3010A	897026	EPA 6010D	897104
92764273009	**HAM-AP2-FD-01**	EPA 3010A	897026	EPA 6010D	897104
92764273001	**HAM-PT-01**	EPA 3005A	897025	EPA 6020B	897120
92764273002	**HAM-PT-02**	EPA 3005A	897025	EPA 6020B	897120
92764273003	**HAM-PT-03**	EPA 3005A	897025	EPA 6020B	897120
92764273004	**HAM-PT-04**	EPA 3005A	897025	EPA 6020B	897120
92764273005	**HAM-PT-05**	EPA 3005A	897025	EPA 6020B	897120
92764273006	**HAM-PT-06**	EPA 3005A	897025	EPA 6020B	897120
92764273007	**HAM-AP2-EB-01**	EPA 3005A	897025	EPA 6020B	897120
92764273008	**HAM-AP2-FB-01**	EPA 3005A	897025	EPA 6020B	897120
92764273009	**HAM-AP2-FD-01**	EPA 3005A	897025	EPA 6020B	897120
92764273001	**HAM-PT-01**	EPA 7470A	898498	EPA 7470A	898771
92764273002	**HAM-PT-02**	EPA 7470A	898498	EPA 7470A	898771
92764273003	**HAM-PT-03**	EPA 7470A	898498	EPA 7470A	898771
92764273004	**HAM-PT-04**	EPA 7470A	898498	EPA 7470A	898771
92764273005	**HAM-PT-05**	EPA 7470A	898498	EPA 7470A	898771
92764273006	**HAM-PT-06**	EPA 7470A	898498	EPA 7470A	898771
92764273007	**HAM-AP2-EB-01**	EPA 7470A	898498	EPA 7470A	898771
92764273008	**HAM-AP2-FB-01**	EPA 7470A	898498	EPA 7470A	898771
92764273009	**HAM-AP2-FD-01**	EPA 7470A	898498	EPA 7470A	898771
92764273001	**HAM-PT-01**	SM 2540C-2015	896923		
92764273002	**HAM-PT-02**	SM 2540C-2015	896923		
92764273003	**HAM-PT-03**	SM 2540C-2015	896923		
92764273004	**HAM-PT-04**	SM 2540C-2015	896923		
92764273005	**HAM-PT-05**	SM 2540C-2015	896923		
92764273006	**HAM-PT-06**	SM 2540C-2015	896923		
92764273007	**HAM-AP2-EB-01**	SM 2540C-2015	896923		
92764273008	**HAM-AP2-FB-01**	SM 2540C-2015	896923		
92764273009	**HAM-AP2-FD-01**	SM 2540C-2015	896923		
92764273001	**HAM-PT-01**	SM 2320B-2011	897320		
92764273002	**HAM-PT-02**	SM 2320B-2011	897320		
92764273003	**HAM-PT-03**	SM 2320B-2011	897320		
92764273004	**HAM-PT-04**	SM 2320B-2011	897320		
92764273005	**HAM-PT-05**	SM 2320B-2011	897719		
92764273006	**HAM-PT-06**	SM 2320B-2011	897348		
92764273007	**HAM-AP2-EB-01**	SM 2320B-2011	897719		
92764273008	**HAM-AP2-FB-01**	SM 2320B-2011	897719		
92764273009	**HAM-AP2-FD-01**	SM 2320B-2011	897348		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hammond AP-2-CA-20241114
Pace Project No.: 92764273

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92764273001	**HAM-PT-01**	SM 4500-S2D-2011	896846		
92764273002	**HAM-PT-02**	SM 4500-S2D-2011	896846		
92764273003	**HAM-PT-03**	SM 4500-S2D-2011	896846		
92764273004	**HAM-PT-04**	SM 4500-S2D-2011	896846		
92764273005	**HAM-PT-05**	SM 4500-S2D-2011	896846		
92764273006	**HAM-PT-06**	SM 4500-S2D-2011	896846		
92764273007	**HAM-AP2-EB-01**	SM 4500-S2D-2011	896846		
92764273008	**HAM-AP2-FB-01**	SM 4500-S2D-2011	896846		
92764273009	**HAM-AP2-FD-01**	SM 4500-S2D-2011	896846		
92764273001	**HAM-PT-01**	EPA 300.0 Rev 2.1 1993	896750		
92764273002	**HAM-PT-02**	EPA 300.0 Rev 2.1 1993	896750		
92764273003	**HAM-PT-03**	EPA 300.0 Rev 2.1 1993	896750		
92764273004	**HAM-PT-04**	EPA 300.0 Rev 2.1 1993	896750		
92764273005	**HAM-PT-05**	EPA 300.0 Rev 2.1 1993	896750		
92764273006	**HAM-PT-06**	EPA 300.0 Rev 2.1 1993	896751		
92764273007	**HAM-AP2-EB-01**	EPA 300.0 Rev 2.1 1993	896751		
92764273008	**HAM-AP2-FB-01**	EPA 300.0 Rev 2.1 1993	896751		
92764273009	**HAM-AP2-FD-01**	EPA 300.0 Rev 2.1 1993	896751		

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Pace Analytical
www.pacelabs.com

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:	GA Power
Address:	Atlanta, GA
Email To:	SCS Contacts
Phone:	Fax:
Requested Due Date/TAT:	10 Day

Section B Required Project Information:

Report To:	SCS Contacts
Copy To:	Geosyntec Contacts
Purchase Order No.:	GPC82474-0001
Project Name:	Hammond AP-2
Project Number:	

Section C Invoice Information:

Attention:	Southern Co.
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Bonnie Vang
Pace Profile #:	16483

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER ~~CCR~~

Site Location STATE: GA

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Chloride, Fluoride, Sulfate	Full App. III and IV metals	Major Ions (Profile 10839-2):	TDS	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																		Y/N	N	N	N	N		
1	HAM-PT-01	WG	G	11/14/2024	1111			19	5	3		1					1		X	X	X	X	N	
2	HAM-PT-02	WG	G	11/14/2024	1318			19	5	3		1					1		X	X	X	X	N	
3	HAM-PT-03	WG	G	11/14/2024	0951			18	5	3		1					1		X	X	X	X	N	
4	HAM-PT-04	WG	G	11/14/2024	1359			19	5	3		1					1		X	X	X	X	N	
5	HAM-PT-05	WG	G	11/14/2024	1157			18	5	3		1					1		X	X	X	X	N	
6	HAM-PT-06	WG	G	11/14/2024	1033			18	5	3		1					1		X	X	X	X	N	
7	HAM-AP1-EB-01	WQ	G	11/15/2024	1050			19	5	3		1					1		X	X	X	X	N	
8	HAM-AP1-FB-01	WQ	G	11/15/2024	1045			19	5	3		1					1		X	X	X	X	N	
9	HAM-AP1-FD-01	WG	G	11/14/2024	0000			19	5	3		1					1		X	X	X	X	N	
10																								
11																								
12																								

JN 11/18/2024 (HAM-PT-03)
JN 11/18/2024 (HAM-AP1-EB-01)
JN 11/18/2024 (HAM-PT-06)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Task Code: HAM-CCR-CA-20241114	Zain Webb / Geosyntec	11-18-24	1025	Ryan Williams / Pace	11/18/24	1125	

HAM-AP2-EB-01

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Zain Webb / Geosyntec Consultants, Inc.

SIGNATURE of SAMPLER: Zain Webb DATE Signed (MM/DD/YY): 11-18-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

WO# : 92764273

92764273

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 2

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	GA Power	Report To:	SCS Contacts	Attention:	Southern Co
Address:	Atlanta, GA	Copy To:	Geosyntec Contacts	Company Name:	
				Address:	
Email To:	SCS Contacts	Purchase Order No.:	GPC82474-0001	Pace Quote Reference:	
Phone:	Fax:	Project Name:	Hammond AP-2	Pace Project Manager:	Bonnie Vang
Requested Due Date/TAT:	10 Day	Project Number		Pace Profile #:	16483

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes: MATRIX / CODE (DRINKING WATER DW, WATER WT, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL OL, WIPE WP, AIR AR, OTHER OT, TISSUE TS)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Chloride, Fluoride, Sulfate	Full App III and IV metals	Major Ions (Profile 10839-2)	TDS	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																				N	N	N	N		
1	HAM-PT-01		WG	C	11/14/2024	1111			19	5	3		1					1		X	X	X	X	N	
2	HAM-PT-02		WG	G	11/14/2024	1318			19	5	3		1					1		X	X	X	X	N	
3	HAM-PT-03		WG	G	11/14/2024	0951			18	5	3		1					1		X	X	X	X	N	
4	HAM-PT-04		WG	G	11/14/2024	1359			19	5	3		1					1		X	X	X	X	N	
5	HAM-PT-05		WG	G	11/14/2024	1157			18	5	3		1					1		X	X	X	X	N	
6	HAM-PT-06		WG	G	11/14/2024	1033			18	5	3		1					1		X	X	X	X	N	
7	HAM-AP1-EB-01		WQ	G	11/15/2024	1050			19	5	3		1					1		X	X	X	X	N	
8	HAM-AP1-FB-01		WQ	G	11/15/2024	1045			19	5	3		1					1		X	X	X	X	N	
9	HAM-AP1-FD-01		WG	G	11/14/2024	0000			19	5	3		1					1		X	X	X	X	N	
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Task Code: HAM-CCR-CA-20241114	Zain Webb / Geosyntec	11-18-24	1025	Ryan William / Pace	11/18/24	1125	
	Ryan William / Pace	11/18/24	1215		11/18/24	1215	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Zain Webb / Geosyntec Consultants, Inc

SIGNATURE of SAMPLER: Zain Webb DATE Signed (MM/DD/YY): 11-18-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-Feb-2007

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO#: 92764273

PM: BV **Due Date: 12/04/24**

CLIENT: 92- GP-HAM

Courier: ☐ Commercial ☐ Fed Ex ☑ Pace ☐ UPS ☐ USPS ☐ Other:____ ☐ Client

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 11/25/24 CM

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 214

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.6 Correction Factor: Add/Subtract (°C) 0

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

Cooler Temp Corrected (°C): 2.6

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

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

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC?	☐ Yes	☑ No	☐ N/A	9. labels for AP1 are for AP2
-Includes Date/Time/ID/Analysis Matrix: WG WQ				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

Qualtrax ID: 69614

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO# : 92764273

PM: BV Due Date: 12/04/24

CLIENT: 92- GP-HAM

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client GA Power Profile/EZ (Circle one) Notes

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

pH Adjustment Log for Preserved Samples

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

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

Field Sampling Forms

Low-Flow Test Report:

Test Date / Time: 1/24/2024 1:50:07 PM
Project: Plant Hammond
Operator Name: Zain Webb

Location Name: INW-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 13.16 ft** **Total Depth: 23.16 ft** **Initial Depth to Water: 10.12 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 18.16 ft** **Estimated Total Volume Pumped: 3 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 1.79 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 851413**

Test Notes:
No Sample - Parameter Testing.

Weather Conditions:
Cloudy, 50 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
1/24/2024 1:50 PM	00:00	7.44 pH	17.62 °C	3.53 µS/cm	8.80 mg/L	--	170.7 mV	10.91 ft	150.00 ml/min
1/24/2024 1:52 PM	02:42	7.24 pH	17.58 °C	3.60 µS/cm	8.83 mg/L	19.50 NTU	151.2 mV	10.91 ft	150.00 ml/min
1/24/2024 1:57 PM	07:42	6.61 pH	17.01 °C	1,772.7 µS/cm	3.79 mg/L	16.40 NTU	183.5 mV	11.65 ft	150.00 ml/min
1/24/2024 2:02 PM	12:42	6.48 pH	17.09 °C	1,782.4 µS/cm	3.42 mg/L	10.40 NTU	183.9 mV	11.80 ft	150.00 ml/min
1/24/2024 2:07 PM	17:42	6.39 pH	17.16 °C	1,802.7 µS/cm	2.87 mg/L	8.74 NTU	216.8 mV	11.91 ft	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 1/24/2024 1:04:01 PM
Project: Plant Hammond
Operator Name: Thomas Kessler

Location Name: INW-02 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 25.08 ft** **Total Depth: 35.08 ft** **Initial Depth to Water: 14.46 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 30.08 ft** **Estimated Total Volume Pumped: 4 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884187**

Test Notes:
No Sample - Parameter Testing.

Weather Conditions:
Rainy, 50 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
1/24/2024 1:04 PM	00:00	6.79 pH	16.76 °C	1,978.0 µS/cm	0.32 mg/L	2.21 NTU	-58.9 mV	14.46 ft	200.00 ml/min
1/24/2024 1:09 PM	05:00	6.80 pH	16.74 °C	1,976.2 µS/cm	0.21 mg/L	3.05 NTU	-87.6 mV	14.46 ft	200.00 ml/min
1/24/2024 1:14 PM	10:00	6.83 pH	16.76 °C	1,906.9 µS/cm	0.23 mg/L	3.11 NTU	-88.9 mV	14.46 ft	200.00 ml/min
1/24/2024 1:19 PM	15:00	6.84 pH	16.86 °C	1,875.5 µS/cm	0.26 mg/L	2.06 NTU	-67.6 mV	14.46 ft	200.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 1/24/2024 10:46:17 AM
Project: Plant Hammond
Operator Name: Zain Webb

Location Name: PT-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 13.19 ft** **Total Depth: 23.19 ft** **Initial Depth to Water: 10.37 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 18.19 ft** **Estimated Total Volume Pumped: 7.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 1.33 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 851413**

Test Notes:
Two Bottles: Metals and Alkalinity.

Weather Conditions:
Cloudy, 50 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
1/24/2024 10:46 AM	00:00	6.46 pH	16.42 °C	1,340.8 µS/cm	2.49 mg/L	2.32 NTU	256.6 mV	11.56 ft	150.00 ml/min
1/24/2024 10:51 AM	05:00	6.50 pH	16.61 °C	1,333.4 µS/cm	2.13 mg/L	0.65 NTU	198.2 mV	11.72 ft	150.00 ml/min
1/24/2024 10:56 AM	10:00	6.50 pH	16.74 °C	1,363.1 µS/cm	1.67 mg/L	0.52 NTU	181.5 mV	11.67 ft	150.00 ml/min
1/24/2024 11:01 AM	15:00	6.51 pH	16.78 °C	1,398.5 µS/cm	1.30 mg/L	1.67 NTU	201.7 mV	11.70 ft	150.00 ml/min
1/24/2024 11:06 AM	20:00	6.53 pH	16.83 °C	1,414.5 µS/cm	1.19 mg/L	0.43 NTU	197.2 mV	11.70 ft	150.00 ml/min
1/24/2024 11:11 AM	25:00	6.55 pH	16.87 °C	1,417.0 µS/cm	1.04 mg/L	0.37 NTU	161.5 mV	11.70 ft	150.00 ml/min
1/24/2024 11:16 AM	30:00	6.56 pH	16.93 °C	1,432.7 µS/cm	0.93 mg/L	0.28 NTU	184.6 mV	11.70 ft	150.00 ml/min
1/24/2024 11:21 AM	35:00	6.58 pH	16.96 °C	1,457.5 µS/cm	0.75 mg/L	0.12 NTU	181.4 mV	11.70 ft	150.00 ml/min
1/24/2024 11:26 AM	40:00	6.59 pH	16.96 °C	1,470.3 µS/cm	0.65 mg/L	0.42 NTU	177.8 mV	11.70 ft	150.00 ml/min
1/24/2024 11:31 AM	45:00	6.60 pH	16.95 °C	1,483.4 µS/cm	0.56 mg/L	0.38 NTU	174.4 mV	11.70 ft	150.00 ml/min

Samples

Sample ID:	Description:

HAM-PT-01	Grab.

Low-Flow Test Report:

Test Date / Time: 1/24/2024 12:30:49 PM
Project: Plant Hammond
Operator Name: Zain Webb

Location Name: PT-02 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 13.26 ft** **Total Depth: 23.26 ft** **Initial Depth to Water: 10.29 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 18.26 ft** **Estimated Total Volume Pumped: 8.25 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 3.86 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 851413**

Test Notes:
Two Bottles: Metals and Alkalinity.

Weather Conditions:
Cloudy, 50 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
1/24/2024 12:30 PM	00:00	6.63 pH	16.45 °C	2,544.5 µS/cm	3.33 mg/L	2.10 NTU	227.5 mV	12.77 ft	150.00 ml/min
1/24/2024 12:35 PM	05:00	6.59 pH	16.49 °C	2,457.8 µS/cm	3.14 mg/L	1.39 NTU	181.2 mV	13.43 ft	150.00 ml/min
1/24/2024 12:40 PM	10:00	6.59 pH	16.65 °C	2,262.0 µS/cm	3.06 mg/L	1.21 NTU	167.2 mV	13.65 ft	150.00 ml/min
1/24/2024 12:45 PM	15:00	6.57 pH	16.78 °C	2,249.7 µS/cm	2.88 mg/L	0.85 NTU	190.5 mV	13.88 ft	150.00 ml/min
1/24/2024 12:50 PM	20:00	6.53 pH	16.75 °C	2,287.4 µS/cm	2.20 mg/L	0.96 NTU	148.2 mV	13.92 ft	150.00 ml/min
1/24/2024 12:55 PM	25:00	6.51 pH	16.95 °C	2,458.7 µS/cm	1.00 mg/L	0.19 NTU	152.4 mV	14.01 ft	150.00 ml/min
1/24/2024 1:00 PM	30:00	6.52 pH	17.08 °C	2,632.4 µS/cm	0.66 mg/L	0.60 NTU	140.9 mV	14.05 ft	150.00 ml/min
1/24/2024 1:05 PM	35:00	6.55 pH	17.10 °C	2,758.5 µS/cm	0.55 mg/L	0.65 NTU	132.5 mV	14.06 ft	150.00 ml/min
1/24/2024 1:10 PM	40:00	6.56 pH	17.19 °C	2,933.5 µS/cm	0.46 mg/L	0.34 NTU	93.4 mV	14.09 ft	150.00 ml/min
1/24/2024 1:15 PM	45:00	6.56 pH	17.20 °C	2,898.5 µS/cm	0.60 mg/L	0.22 NTU	78.9 mV	14.13 ft	150.00 ml/min
1/24/2024 1:20 PM	50:00	6.57 pH	17.28 °C	2,959.6 µS/cm	0.49 mg/L	0.16 NTU	70.1 mV	14.15 ft	150.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-02	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 1/24/2024 9:33:29 AM
Project: Plant Hammond
Operator Name: Zain Webb

Location Name: PT-03 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 15.29 ft** **Total Depth: 25.29 ft** **Initial Depth to Water: 10.39 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 20.29 ft** **Estimated Total Volume Pumped: 5.25 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.2 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 851413**

Test Notes:
Two Bottles: Metals and Alkalinity.

Weather Conditions:
Cloudy, 50 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
1/24/2024 9:33 AM	00:00	4.99 pH	16.51 °C	1,859.4 µS/cm	0.78 mg/L	5.67 NTU	268.0 mV	10.57 ft	150.00 ml/min
1/24/2024 9:38 AM	05:00	4.98 pH	16.56 °C	1,931.9 µS/cm	0.21 mg/L	5.38 NTU	244.9 mV	10.57 ft	150.00 ml/min
1/24/2024 9:43 AM	10:00	4.98 pH	16.62 °C	1,925.1 µS/cm	0.15 mg/L	5.15 NTU	276.4 mV	10.59 ft	150.00 ml/min
1/24/2024 9:48 AM	15:00	4.96 pH	16.51 °C	1,941.1 µS/cm	0.13 mg/L	4.99 NTU	281.6 mV	10.59 ft	150.00 ml/min
1/24/2024 9:53 AM	20:00	4.96 pH	16.51 °C	1,945.2 µS/cm	0.14 mg/L	4.55 NTU	285.7 mV	10.59 ft	150.00 ml/min
1/24/2024 9:58 AM	25:00	4.94 pH	16.56 °C	1,959.8 µS/cm	0.15 mg/L	3.66 NTU	290.1 mV	10.59 ft	150.00 ml/min
1/24/2024 10:03 AM	30:00	4.94 pH	16.56 °C	1,964.0 µS/cm	0.13 mg/L	4.32 NTU	291.1 mV	10.59 ft	150.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-03	Grab.
HAM-AP2-FD-01	Grab.

Low-Flow Test Report:

Test Date / Time: 1/24/2024 11:30:37 AM
Project: Plant Hammond
Operator Name: Thomas Kessler

Location Name: PT-04 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 23.87 ft** **Total Depth: 33.87 ft** **Initial Depth to Water: 14.18 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 28.87 ft** **Estimated Total Volume Pumped: 16 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.02 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884187**

Test Notes:
Two Bottles: Metals and Alkalinity.

Weather Conditions:
Rainy, 50 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
1/24/2024 11:30 AM	00:00	6.67 pH	16.50 °C	1,888.0 µS/cm	0.36 mg/L	13.75 NTU	-14.7 mV	14.20 ft	200.00 ml/min
1/24/2024 11:35 AM	05:00	6.67 pH	16.55 °C	1,874.4 µS/cm	0.28 mg/L	13.75 NTU	-29.6 mV	14.20 ft	200.00 ml/min
1/24/2024 11:40 AM	10:00	6.67 pH	16.54 °C	1,860.7 µS/cm	0.23 mg/L	10.95 NTU	-34.7 mV	14.20 ft	200.00 ml/min
1/24/2024 11:45 AM	15:00	6.67 pH	16.59 °C	1,840.9 µS/cm	0.24 mg/L	9.13 NTU	-38.5 mV	14.20 ft	200.00 ml/min
1/24/2024 11:50 AM	20:00	6.68 pH	16.66 °C	1,826.0 µS/cm	0.23 mg/L	10.11 NTU	-44.9 mV	14.20 ft	200.00 ml/min
1/24/2024 11:55 AM	25:00	6.67 pH	16.61 °C	1,824.2 µS/cm	0.24 mg/L	8.17 NTU	-49.1 mV	14.20 ft	200.00 ml/min
1/24/2024 12:00 PM	30:00	6.68 pH	16.67 °C	1,814.3 µS/cm	0.24 mg/L	7.40 NTU	-38.3 mV	14.20 ft	200.00 ml/min
1/24/2024 12:05 PM	35:00	6.68 pH	16.53 °C	1,808.8 µS/cm	0.21 mg/L	7.11 NTU	-55.4 mV	14.20 ft	200.00 ml/min
1/24/2024 12:10 PM	40:00	6.68 pH	16.67 °C	1,800.1 µS/cm	0.22 mg/L	6.99 NTU	-56.2 mV	14.20 ft	200.00 ml/min
1/24/2024 12:15 PM	45:00	6.69 pH	16.67 °C	1,801.6 µS/cm	0.25 mg/L	6.64 NTU	-58.6 mV	14.20 ft	200.00 ml/min
1/24/2024 12:20 PM	50:00	6.69 pH	16.62 °C	1,812.3 µS/cm	0.19 mg/L	6.19 NTU	-59.9 mV	14.20 ft	200.00 ml/min
1/24/2024 12:25 PM	55:00	6.69 pH	16.68 °C	1,806.6 µS/cm	0.20 mg/L	5.92 NTU	-60.9 mV	14.20 ft	200.00 ml/min
1/24/2024 12:30 PM	01:00:00	6.69 pH	16.69 °C	1,803.6 µS/cm	0.20 mg/L	5.97 NTU	-61.4 mV	14.20 ft	200.00 ml/min

1/24/2024 12:35 PM	01:05:00	6.69 pH	16.72 °C	1,798.4 µS/cm	0.22 mg/L	5.61 NTU	-63.7 mV	14.20 ft	200.00 ml/min
1/24/2024 12:40 PM	01:10:00	6.68 pH	16.75 °C	1,797.3 µS/cm	0.19 mg/L	5.43 NTU	-65.0 mV	14.20 ft	200.00 ml/min
1/24/2024 12:45 PM	01:15:00	6.69 pH	16.73 °C	1,797.4 µS/cm	0.19 mg/L	4.08 NTU	-67.1 mV	14.20 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-04	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 1/24/2024 10:39:48 AM
Project: Plant Hammond
Operator Name: Thomas Kessler

Location Name: PT-05 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 25.11 ft** **Total Depth: 35.11 ft** **Initial Depth to Water: 14.45 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 30.11 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884187**

Test Notes:
Two Bottles: Metals and Alkalinity.

Weather Conditions:
Rainy, 50 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
1/24/2024 10:39 AM	00:00	6.64 pH	16.02 °C	2,150.2 µS/cm	0.87 mg/L	1.85 NTU	18.2 mV	14.50 ft	200.00 ml/min
1/24/2024 10:44 AM	05:00	6.62 pH	16.48 °C	2,262.4 µS/cm	0.24 mg/L	2.13 NTU	13.5 mV	14.50 ft	200.00 ml/min
1/24/2024 10:49 AM	10:00	6.74 pH	16.57 °C	2,459.3 µS/cm	0.16 mg/L	1.34 NTU	18.5 mV	14.50 ft	200.00 ml/min
1/24/2024 10:54 AM	15:00	6.79 pH	16.51 °C	2,491.6 µS/cm	0.14 mg/L	1.52 NTU	15.1 mV	14.50 ft	200.00 ml/min
1/24/2024 10:59 AM	20:00	6.83 pH	16.48 °C	2,516.6 µS/cm	0.14 mg/L	1.31 NTU	8.6 mV	14.50 ft	200.00 ml/min
1/24/2024 11:04 AM	25:00	6.84 pH	16.48 °C	2,519.4 µS/cm	0.14 mg/L	1.07 NTU	5.3 mV	14.50 ft	200.00 ml/min
1/24/2024 11:09 AM	30:00	6.84 pH	16.50 °C	2,508.6 µS/cm	0.15 mg/L	0.73 NTU	0.1 mV	14.50 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-05	Grab.

Low-Flow Test Report:

Test Date / Time: 1/24/2024 9:27:54 AM
Project: Plant Hammond
Operator Name: Thomas Kessler

Location Name: PT-06 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 25.48 ft** **Total Depth: 35.48 ft** **Initial Depth to Water: 14.30 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 30.48 ft** **Estimated Total Volume Pumped: 8.2 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884187**

Test Notes:
Two Bottles: Metals and Alkalinity.

Weather Conditions:
Rainy, 50 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 5	
1/24/2024 9:27 AM	00:00	6.62 pH	15.53 °C	2,094.7 µS/cm	0.37 mg/L	3.13 NTU	44.4 mV	14.30 ft	100.00 ml/min
1/24/2024 9:32 AM	05:00	6.62 pH	15.31 °C	2,107.8 µS/cm	0.28 mg/L	3.50 NTU	43.3 mV	14.30 ft	100.00 ml/min
1/24/2024 9:37 AM	10:00	6.63 pH	15.50 °C	2,096.1 µS/cm	0.25 mg/L	2.87 NTU	34.9 mV	14.30 ft	100.00 ml/min
1/24/2024 9:42 AM	15:00	6.63 pH	15.49 °C	2,098.3 µS/cm	0.24 mg/L	10.95 NTU	33.1 mV	14.30 ft	100.00 ml/min
1/24/2024 9:43 AM	15:39	6.64 pH	15.59 °C	2,094.1 µS/cm	0.23 mg/L	10.95 NTU	33.1 mV	14.30 ft	100.00 ml/min
1/24/2024 9:48 AM	20:39	6.63 pH	15.32 °C	2,085.5 µS/cm	0.23 mg/L	13.10 NTU	31.5 mV	14.30 ft	100.00 ml/min
1/24/2024 9:50 AM	22:45	6.64 pH	15.34 °C	2,081.8 µS/cm	0.23 mg/L	13.10 NTU	32.3 mV	14.30 ft	100.00 ml/min
1/24/2024 9:55 AM	27:45	6.64 pH	14.82 °C	2,083.9 µS/cm	0.24 mg/L	12.20 NTU	33.9 mV	14.30 ft	100.00 ml/min
1/24/2024 10:00 AM	32:45	6.68 pH	14.55 °C	2,093.4 µS/cm	0.27 mg/L	13.20 NTU	33.5 mV	14.30 ft	100.00 ml/min
1/24/2024 10:05 AM	37:45	6.65 pH	14.82 °C	2,130.7 µS/cm	0.24 mg/L	14.50 NTU	32.2 mV	14.35 ft	100.00 ml/min
1/24/2024 10:10 AM	42:45	6.64 pH	16.14 °C	2,118.1 µS/cm	0.15 mg/L	7.57 NTU	29.5 mV	14.35 ft	200.00 ml/min
1/24/2024 10:15 AM	47:45	6.64 pH	16.42 °C	2,100.6 µS/cm	0.12 mg/L	6.13 NTU	27.9 mV	14.35 ft	200.00 ml/min
1/24/2024 10:20 AM	52:45	6.64 pH	16.60 °C	2,095.3 µS/cm	0.11 mg/L	4.39 NTU	25.9 mV	14.35 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-06	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/20/2024 1:08:29 PM
Project: Plant Hammond
Operator Name: Jacob Tracy

Location Name: INW-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 13.50 ft** **Total Depth: 23.50 ft** **Initial Depth to Water: 9.90 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 18.50 ft** **Estimated Total Volume Pumped: 4 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 2.69 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 968202**

Test Notes:

No Sample - Parameter Testing.

Weather Conditions:
Sunny, clear.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/20/2024 1:08 PM	00:00	6.98 pH	17.73 °C	732.92 µS/cm	6.61 mg/L	--	-112.0 mV	9.90 ft	200.00 ml/min
2/20/2024 1:09 PM	00:58	6.84 pH	17.27 °C	747.48 µS/cm	3.23 mg/L	--	-106.3 mV	9.90 ft	200.00 ml/min
2/20/2024 1:14 PM	05:58	6.76 pH	16.92 °C	759.19 µS/cm	0.50 mg/L	4.71 NTU	-98.1 mV	11.81 ft	200.00 ml/min
2/20/2024 1:19 PM	10:58	6.74 pH	17.27 °C	777.15 µS/cm	0.42 mg/L	5.48 NTU	-103.2 mV	12.31 ft	200.00 ml/min
2/20/2024 1:24 PM	15:58	6.71 pH	17.56 °C	798.79 µS/cm	0.60 mg/L	6.74 NTU	-107.1 mV	12.59 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/20/2024 5:32:31 PM
Project: Plant Hammond
Operator Name: Anthony Szwast

Location Name: INW-02 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 25.08 ft** **Total Depth: 35.08 ft** **Initial Depth to Water: 14.23 ft**	**Pump Type: Bailer** **Tubing Type: Polyethylene** **Pump Intake From TOC: 30.08 ft** **Estimated Total Volume Pumped: 3 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.03 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843285**

Test Notes:
No Sample - Parameters Testing.

Weather Conditions:
Sunny, 60 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/20/2024 5:32 PM	00:00	7.43 pH	15.34 °C	1,565.3 µS/cm	5.44 mg/L	14.00 NTU	108.3 mV	14.20 ft	200.00 ml/min
2/20/2024 5:37 PM	05:00	7.02 pH	15.83 °C	1,473.1 µS/cm	2.33 mg/L	24.70 NTU	101.1 mV	14.23 ft	200.00 ml/min
2/20/2024 5:42 PM	10:00	7.00 pH	15.96 °C	1,514.2 µS/cm	2.17 mg/L	24.40 NTU	47.5 mV	14.26 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/19/2024 2:37:51 PM
Project: Plant Hammond
Operator Name: Jacob Tracy

Location Name: PT-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 13.49 ft** **Total Depth: 23.49 ft** **Initial Depth to Water: 9.59 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 18.49 ft** **Estimated Total Volume Pumped: 32 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 2.57 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 968202**

Test Notes:
Five bottles: Full App.III and IV (No RADs) and Major Ions.

Weather Conditions:
Sunny, clear.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/19/2024 2:37 PM	00:00	6.86 pH	17.22 °C	639.65 µS/cm	1.33 mg/L	26.50 NTU	-130.5 mV	10.98 ft	200.00 ml/min
2/19/2024 2:42 PM	05:00	6.85 pH	16.90 °C	668.22 µS/cm	1.01 mg/L	22.30 NTU	-129.0 mV	11.49 ft	200.00 ml/min
2/19/2024 2:47 PM	10:00	6.85 pH	17.10 °C	674.72 µS/cm	0.85 mg/L	20.80 NTU	-127.3 mV	11.78 ft	200.00 ml/min
2/19/2024 2:52 PM	15:00	6.85 pH	17.37 °C	691.82 µS/cm	0.99 mg/L	19.70 NTU	-163.1 mV	11.91 ft	200.00 ml/min
2/19/2024 2:57 PM	20:00	6.85 pH	17.58 °C	710.66 µS/cm	0.92 mg/L	16.20 NTU	-139.2 mV	12.03 ft	200.00 ml/min
2/19/2024 3:02 PM	25:00	6.84 pH	17.62 °C	729.15 µS/cm	0.56 mg/L	12.60 NTU	-142.5 mV	12.13 ft	200.00 ml/min
2/19/2024 3:07 PM	30:00	6.84 pH	17.76 °C	737.70 µS/cm	0.63 mg/L	10.80 NTU	-141.7 mV	12.14 ft	200.00 ml/min
2/19/2024 3:12 PM	35:00	6.85 pH	17.72 °C	744.98 µS/cm	0.89 mg/L	10.10 NTU	-120.2 mV	12.09 ft	200.00 ml/min
2/19/2024 3:17 PM	40:00	6.85 pH	17.62 °C	746.72 µS/cm	0.73 mg/L	8.98 NTU	-115.5 mV	12.06 ft	200.00 ml/min
2/19/2024 3:22 PM	45:00	6.85 pH	17.80 °C	748.69 µS/cm	0.75 mg/L	8.05 NTU	-133.8 mV	12.05 ft	200.00 ml/min
2/19/2024 3:27 PM	50:00	6.87 pH	17.81 °C	746.10 µS/cm	0.65 mg/L	7.36 NTU	-125.5 mV	12.05 ft	200.00 ml/min
2/19/2024 3:32 PM	55:00	6.87 pH	17.85 °C	756.18 µS/cm	1.13 mg/L	7.55 NTU	-139.9 mV	12.06 ft	200.00 ml/min
2/19/2024 3:37 PM	01:00:00	6.88 pH	17.89 °C	771.63 µS/cm	0.75 mg/L	6.68 NTU	-139.2 mV	12.06 ft	200.00 ml/min

2/19/2024 3:42 PM	01:05:00	6.88 pH	17.90 °C	783.08 µS/cm	0.98 mg/L	7.00 NTU	-133.4 mV	12.06 ft	200.00 ml/min
2/19/2024 3:47 PM	01:10:00	6.88 pH	17.89 °C	787.04 µS/cm	0.54 mg/L	5.76 NTU	-126.1 mV	12.06 ft	200.00 ml/min
2/19/2024 3:52 PM	01:15:00	6.87 pH	17.58 °C	807.57 µS/cm	0.52 mg/L	6.10 NTU	-112.0 mV	12.06 ft	200.00 ml/min
2/19/2024 3:57 PM	01:20:00	6.87 pH	17.20 °C	830.90 µS/cm	1.25 mg/L	5.01 NTU	-124.4 mV	12.06 ft	200.00 ml/min
2/19/2024 4:02 PM	01:25:00	6.88 pH	17.05 °C	839.93 µS/cm	1.11 mg/L	5.16 NTU	-128.6 mV	12.06 ft	200.00 ml/min
2/19/2024 4:07 PM	01:30:00	6.87 pH	17.00 °C	870.51 µS/cm	1.32 mg/L	4.40 NTU	-133.1 mV	12.10 ft	200.00 ml/min
2/19/2024 4:12 PM	01:35:00	6.88 pH	16.90 °C	891.81 µS/cm	1.42 mg/L	4.04 NTU	-133.7 mV	12.11 ft	200.00 ml/min
2/19/2024 4:17 PM	01:40:00	6.87 pH	16.88 °C	910.70 µS/cm	1.22 mg/L	3.41 NTU	-128.7 mV	12.13 ft	200.00 ml/min
2/19/2024 4:22 PM	01:45:00	6.87 pH	17.31 °C	926.68 µS/cm	0.99 mg/L	3.30 NTU	-151.9 mV	12.14 ft	200.00 ml/min
2/19/2024 4:27 PM	01:50:00	6.87 pH	17.27 °C	937.29 µS/cm	0.77 mg/L	2.63 NTU	-127.8 mV	12.14 ft	200.00 ml/min
2/19/2024 4:32 PM	01:55:00	6.85 pH	17.38 °C	976.22 µS/cm	1.16 mg/L	3.14 NTU	-126.8 mV	12.14 ft	200.00 ml/min
2/19/2024 4:37 PM	02:00:00	6.85 pH	17.29 °C	996.27 µS/cm	1.39 mg/L	2.46 NTU	-152.9 mV	12.15 ft	200.00 ml/min
2/19/2024 4:42 PM	02:05:00	6.85 pH	17.00 °C	1,032.5 µS/cm	0.52 mg/L	2.75 NTU	-135.9 mV	12.16 ft	200.00 ml/min
2/19/2024 4:47 PM	02:10:00	6.85 pH	17.18 °C	1,057.4 µS/cm	0.46 mg/L	2.60 NTU	-119.4 mV	12.16 ft	200.00 ml/min
2/19/2024 4:52 PM	02:15:00	6.84 pH	17.16 °C	1,079.6 µS/cm	0.67 mg/L	2.30 NTU	-115.6 mV	12.16 ft	200.00 ml/min
2/19/2024 4:57 PM	02:20:00	6.83 pH	17.04 °C	1,116.7 µS/cm	0.35 mg/L	2.14 NTU	-142.0 mV	12.16 ft	200.00 ml/min
2/19/2024 5:02 PM	02:25:00	6.84 pH	16.96 °C	1,134.9 µS/cm	0.28 mg/L	2.10 NTU	-115.9 mV	12.16 ft	200.00 ml/min
2/19/2024 5:07 PM	02:30:00	6.83 pH	16.87 °C	1,082.8 µS/cm	0.26 mg/L	2.12 NTU	-117.2 mV	12.16 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-01	Grab.

Low-Flow Test Report:

Test Date / Time: 2/20/2024 11:13:00 AM
Project: Plant Hammond
Operator Name: Jacob Tracy

Location Name: PT-02 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 13.40 ft** **Total Depth: 23.40 ft** **Initial Depth to Water: 9.96 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 18.40 ft** **Estimated Total Volume Pumped: 12 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 4.09 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 968202**

Test Notes:
Five bottles: Full App.III and IV (No RADs) and Major Ions.

Weather Conditions:
Sunny, clear.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/20/2024 11:13 AM	00:00	6.68 pH	14.75 °C	1,553.3 µS/cm	0.43 mg/L	23.30 NTU	-112.3 mV	11.80 ft	200.00 ml/min
2/20/2024 11:18 AM	05:00	6.68 pH	14.85 °C	1,550.6 µS/cm	0.50 mg/L	22.60 NTU	-110.8 mV	12.65 ft	200.00 ml/min
2/20/2024 11:23 AM	10:00	6.68 pH	15.16 °C	1,552.3 µS/cm	0.46 mg/L	23.20 NTU	-112.2 mV	13.24 ft	200.00 ml/min
2/20/2024 11:28 AM	15:00	6.69 pH	15.46 °C	1,561.3 µS/cm	1.52 mg/L	22.10 NTU	-107.1 mV	13.55 ft	200.00 ml/min
2/20/2024 11:33 AM	20:00	6.80 pH	15.37 °C	1,561.8 µS/cm	5.57 mg/L	19.50 NTU	-96.4 mV	13.64 ft	200.00 ml/min
2/20/2024 11:38 AM	25:00	6.65 pH	15.83 °C	1,574.3 µS/cm	0.55 mg/L	15.20 NTU	-110.4 mV	13.70 ft	200.00 ml/min
2/20/2024 11:43 AM	30:00	6.69 pH	15.74 °C	1,592.1 µS/cm	3.22 mg/L	11.30 NTU	-107.8 mV	13.79 ft	200.00 ml/min
2/20/2024 11:48 AM	35:00	6.70 pH	15.83 °C	1,632.8 µS/cm	3.64 mg/L	6.54 NTU	-85.3 mV	13.81 ft	200.00 ml/min
2/20/2024 11:53 AM	40:00	6.63 pH	16.23 °C	1,750.3 µS/cm	0.47 mg/L	2.07 NTU	-98.1 mV	13.81 ft	200.00 ml/min
2/20/2024 11:58 AM	45:00	6.63 pH	16.31 °C	1,829.6 µS/cm	0.45 mg/L	1.38 NTU	-119.2 mV	13.91 ft	200.00 ml/min
2/20/2024 12:03 PM	50:00	6.63 pH	16.46 °C	1,851.4 µS/cm	0.46 mg/L	1.46 NTU	-98.5 mV	14.00 ft	200.00 ml/min
2/20/2024 12:08 PM	55:00	6.63 pH	16.57 °C	1,873.4 µS/cm	0.45 mg/L	1.95 NTU	-117.1 mV	14.05 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-02	Grab.
HAM-AP2-FD-01	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/20/2024 9:59:57 AM
Project: Plant Hammond
Operator Name: Jacob Tracy

Location Name: PT-03 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 13.62 ft** **Total Depth: 23.62 ft** **Initial Depth to Water: 9.98 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 18.62 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.37 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 968202**

Test Notes:
Five bottles: Full App.III and IV (No RADs) and Major Ions.

Weather Conditions:
Sunny, clear.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/20/2024 9:59 AM	00:00	5.34 pH	14.97 °C	1,569.8 µS/cm	0.43 mg/L	4.48 NTU	143.5 mV	10.28 ft	200.00 ml/min
2/20/2024 10:04 AM	05:00	5.30 pH	15.02 °C	1,588.1 µS/cm	0.36 mg/L	1.03 NTU	137.2 mV	10.34 ft	200.00 ml/min
2/20/2024 10:09 AM	10:00	5.25 pH	15.20 °C	1,640.1 µS/cm	0.31 mg/L	1.34 NTU	89.0 mV	10.36 ft	200.00 ml/min
2/20/2024 10:14 AM	15:00	5.22 pH	15.29 °C	1,669.8 µS/cm	0.31 mg/L	1.65 NTU	78.5 mV	10.35 ft	200.00 ml/min
2/20/2024 10:19 AM	20:00	5.20 pH	15.39 °C	1,695.7 µS/cm	0.33 mg/L	0.92 NTU	72.5 mV	10.35 ft	200.00 ml/min
2/20/2024 10:24 AM	25:00	5.18 pH	15.43 °C	1,714.6 µS/cm	0.30 mg/L	1.41 NTU	96.5 mV	10.35 ft	200.00 ml/min
2/20/2024 10:29 AM	30:00	5.15 pH	15.48 °C	1,765.2 µS/cm	0.28 mg/L	0.88 NTU	69.2 mV	10.35 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-03	Grab.

Low-Flow Test Report:

Test Date / Time: 2/21/2024 9:59:30 AM
Project: Plant Hammond
Operator Name: Jacob Tracy

Location Name: PT-04 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 24.07 ft** **Total Depth: 34.07 ft** **Initial Depth to Water: 13.96 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 29.07 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.06 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 968202**

Test Notes:
Five bottles: Full App.III and IV (No RADs) and Major Ions.

Weather Conditions:
Sunny, clear.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/21/2024 9:59 AM	00:00	6.83 pH	16.92 °C	1,310.5 µS/cm	0.61 mg/L	14.60 NTU	-14.1 mV	14.02 ft	200.00 ml/min
2/21/2024 10:04 AM	05:00	6.76 pH	17.47 °C	1,369.1 µS/cm	0.44 mg/L	9.68 NTU	-10.2 mV	14.02 ft	200.00 ml/min
2/21/2024 10:09 AM	10:00	6.66 pH	17.67 °C	1,637.9 µS/cm	0.31 mg/L	5.09 NTU	-31.0 mV	14.02 ft	200.00 ml/min
2/21/2024 10:14 AM	15:00	6.68 pH	17.98 °C	1,843.7 µS/cm	0.28 mg/L	2.59 NTU	-50.1 mV	14.02 ft	200.00 ml/min
2/21/2024 10:19 AM	20:00	6.67 pH	18.16 °C	1,853.5 µS/cm	0.30 mg/L	1.93 NTU	-51.4 mV	14.02 ft	200.00 ml/min
2/21/2024 10:24 AM	25:00	6.67 pH	18.19 °C	1,857.6 µS/cm	0.29 mg/L	2.05 NTU	-51.8 mV	14.02 ft	200.00 ml/min
2/21/2024 10:29 AM	30:00	6.67 pH	18.29 °C	1,855.7 µS/cm	0.28 mg/L	1.54 NTU	-42.8 mV	14.02 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-04	Grab.

Low-Flow Test Report:

Test Date / Time: 2/20/2024 3:01:15 PM
Project: Plant Hammond
Operator Name: Jacob Tracy

Location Name: PT-05 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 25.39 ft** **Total Depth: 35.39 ft** **Initial Depth to Water: 14.21 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 30.39 ft** **Estimated Total Volume Pumped: 10 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.04 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 968202**

Test Notes:
Five bottles: Full App.III and IV (No RADs) and Major Ions.

Weather Conditions:
Sunny, clear.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/20/2024 3:01 PM	00:00	6.52 pH	19.15 °C	2,085.5 µS/cm	1.48 mg/L	3.73 NTU	113.2 mV	14.25 ft	200.00 ml/min
2/20/2024 3:06 PM	05:00	6.50 pH	19.06 °C	2,116.4 µS/cm	1.18 mg/L	3.52 NTU	119.1 mV	14.25 ft	200.00 ml/min
2/20/2024 3:11 PM	10:00	6.52 pH	19.18 °C	1,976.3 µS/cm	1.28 mg/L	2.52 NTU	107.4 mV	14.25 ft	200.00 ml/min
2/20/2024 3:16 PM	15:00	6.58 pH	19.27 °C	2,270.2 µS/cm	1.01 mg/L	2.75 NTU	42.6 mV	14.25 ft	200.00 ml/min
2/20/2024 3:21 PM	20:00	6.59 pH	19.05 °C	2,285.3 µS/cm	0.88 mg/L	0.75 NTU	31.0 mV	14.25 ft	200.00 ml/min
2/20/2024 3:26 PM	25:00	6.60 pH	19.25 °C	2,301.0 µS/cm	1.14 mg/L	1.52 NTU	27.1 mV	14.25 ft	200.00 ml/min
2/20/2024 3:31 PM	30:00	6.64 pH	18.83 °C	2,377.9 µS/cm	0.31 mg/L	1.71 NTU	30.4 mV	14.25 ft	200.00 ml/min
2/20/2024 3:36 PM	35:00	6.68 pH	18.82 °C	2,455.2 µS/cm	0.33 mg/L	1.63 NTU	15.1 mV	14.25 ft	200.00 ml/min
2/20/2024 3:41 PM	40:00	6.70 pH	18.87 °C	2,483.4 µS/cm	0.33 mg/L	0.75 NTU	14.9 mV	14.25 ft	200.00 ml/min

Samples

Sample ID:	Description:

HAM-PT-05	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/20/2024 5:02:06 PM
Project: Plant Hammond
Operator Name: Jacob Tracy

Location Name: PT-06 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 25.22 ft** **Total Depth: 35.22 ft** **Initial Depth to Water: 14.02 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 30.22 ft** **Estimated Total Volume Pumped: 9 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.08 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 968202**

Test Notes:
Five bottles: Full App.III and IV (No RADs) and Major Ions.

Weather Conditions:
Sunny, clear.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/20/2024 5:02 PM	00:00	6.46 pH	17.13 °C	1,900.4 µS/cm	0.56 mg/L	50.00 NTU	41.8 mV	14.02 ft	200.00 ml/min
2/20/2024 5:07 PM	05:00	6.47 pH	17.09 °C	1,817.0 µS/cm	0.43 mg/L	42.70 NTU	47.0 mV	14.02 ft	200.00 ml/min
2/20/2024 5:12 PM	10:00	6.49 pH	17.03 °C	1,850.5 µS/cm	0.36 mg/L	26.50 NTU	53.5 mV	14.02 ft	200.00 ml/min
2/20/2024 5:17 PM	15:00	6.57 pH	17.09 °C	2,001.2 µS/cm	0.27 mg/L	13.90 NTU	16.0 mV	14.02 ft	200.00 ml/min
2/20/2024 5:22 PM	20:00	6.62 pH	17.26 °C	2,088.5 µS/cm	0.36 mg/L	6.10 NTU	-3.0 mV	14.02 ft	200.00 ml/min
2/20/2024 5:27 PM	25:00	6.62 pH	17.30 °C	2,101.1 µS/cm	0.25 mg/L	5.72 NTU	-6.3 mV	14.02 ft	200.00 ml/min
2/20/2024 5:32 PM	30:00	6.62 pH	17.22 °C	2,093.7 µS/cm	0.24 mg/L	7.30 NTU	-5.0 mV	14.02 ft	200.00 ml/min
2/20/2024 5:37 PM	35:00	6.63 pH	17.26 °C	2,101.5 µS/cm	0.25 mg/L	6.42 NTU	-5.7 mV	14.10 ft	200.00 ml/min
2/20/2024 5:42 PM	40:00	6.63 pH	17.19 °C	2,121.6 µS/cm	0.25 mg/L	4.46 NTU	-9.1 mV	14.10 ft	200.00 ml/min

Samples

Sample ID:	Description:

HAM-PT-06	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 5/13/2024 12:49:54 PM
Project: Plant Hammond
Operator Name: Anthony Szwast

Location Name: INW-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 13.16 ft** **Total Depth: 23.16 ft** **Initial Depth to Water: 5.9 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 18.16 ft** **Estimated Total Volume Pumped: 2 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 1.95 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850751**

Test Notes:
Field parameters.

Weather Conditions:
Cloud, 65 deg. F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
5/13/2024 12:49 PM	00:00	6.26 pH	18.39 °C	469.75 µS/cm	0.93 mg/L	10.78 NTU	-45.3 mV	6.60 ft	200.00 ml/min
5/13/2024 12:54 PM	05:00	6.42 pH	17.41 °C	487.13 µS/cm	0.17 mg/L	8.54 NTU	-62.2 mV	7.38 ft	200.00 ml/min
5/13/2024 12:59 PM	10:00	6.44 pH	17.31 °C	492.41 µS/cm	0.11 mg/L	8.20 NTU	-59.4 mV	7.85 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 5/13/2024 5:26:40 PM
Project: Plant Hammond
Operator Name: Jamie Newsome

Location Name: INW-02 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 25.08 ft** **Total Depth: 35.08 ft** **Initial Depth to Water: 12.85 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 30.08 ft** **Estimated Total Volume Pumped: 2 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min Final Draw Down: 0.08 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 966105**

Test Notes:
Field parameters.

Weather Conditions:
Cloudy, 65F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
5/13/2024 5:26 PM	00:00	6.85 pH	17.98 °C	1,607.2 µS/cm	0.42 mg/L	3.08 NTU	-65.0 mV	12.85 ft	200.00 ml/min
5/13/2024 5:31 PM	05:00	6.84 pH	17.87 °C	1,715.6 µS/cm	0.27 mg/L	3.94 NTU	-82.2 mV	12.90 ft	200.00 ml/min
5/13/2024 5:36 PM	10:00	6.83 pH	17.86 °C	1,759.3 µS/cm	0.23 mg/L	4.24 NTU	-80.5 mV	12.93 ft	200.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 5/13/2024 9:19:08 AM
Project: Plant Hammond
Operator Name: Anthony Szwast

Location Name: PT-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 13.19 ft** **Total Depth: 23.19 ft** **Initial Depth to Water: 6.09 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 18.19 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 2.22 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850751**

Test Notes:
Full App. III and IV and Major Ions (no RADs).

Weather Conditions:
Cloudy, 68 deg. F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
5/13/2024 9:19 AM	00:00	6.47 pH	16.88 °C	571.29 µS/cm	0.48 mg/L	13.80 NTU	-46.2 mV	7.62 ft	200.00 ml/min
5/13/2024 9:24 AM	05:00	6.45 pH	16.65 °C	584.63 µS/cm	0.36 mg/L	9.20 NTU	-53.8 mV	8.02 ft	200.00 ml/min
5/13/2024 9:29 AM	10:00	6.43 pH	16.65 °C	586.65 µS/cm	0.32 mg/L	5.12 NTU	-51.0 mV	8.16 ft	200.00 ml/min
5/13/2024 9:34 AM	15:00	6.43 pH	16.65 °C	586.52 µS/cm	0.20 mg/L	5.29 NTU	-53.7 mV	8.24 ft	200.00 ml/min
5/13/2024 9:39 AM	20:00	6.43 pH	16.60 °C	589.63 µS/cm	0.17 mg/L	5.05 NTU	-56.5 mV	8.27 ft	200.00 ml/min
5/13/2024 9:44 AM	25:00	6.43 pH	16.54 °C	595.18 µS/cm	0.14 mg/L	3.26 NTU	-58.4 mV	8.30 ft	200.00 ml/min
5/13/2024 9:49 AM	30:00	6.44 pH	16.52 °C	598.86 µS/cm	0.12 mg/L	1.62 NTU	-60.1 mV	8.31 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-01	Grab.
HAM-AP2-FD-01	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 5/13/2024 10:27:46 AM
Project: Plant Hammond
Operator Name: Anthony Szwast

Location Name: PT-02 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 13.26 ft** **Total Depth: 23.26 ft** **Initial Depth to Water: 6.23 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 18.26 ft** **Estimated Total Volume Pumped: 7.4 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 3.82 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850751**

Test Notes:
Full App. III and IV and Major Ions (no RADs).

Weather Conditions:
Cloudy and rainy, 70 deg. F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
5/13/2024 10:27 AM	00:00	6.36 pH	16.61 °C	1,948.3 µS/cm	0.46 mg/L	1.29 NTU	-29.7 mV	7.33 ft	200.00 ml/min
5/13/2024 10:32 AM	05:00	6.35 pH	16.43 °C	1,835.1 µS/cm	0.17 mg/L	3.41 NTU	-29.3 mV	8.45 ft	200.00 ml/min
5/13/2024 10:37 AM	10:00	6.35 pH	16.38 °C	1,817.2 µS/cm	0.11 mg/L	4.35 NTU	-29.6 mV	8.99 ft	200.00 ml/min
5/13/2024 10:42 AM	15:00	6.35 pH	16.38 °C	1,866.8 µS/cm	0.09 mg/L	2.04 NTU	-34.9 mV	9.32 ft	200.00 ml/min
5/13/2024 10:47 AM	20:00	6.36 pH	16.39 °C	1,892.6 µS/cm	0.07 mg/L	2.40 NTU	-42.5 mV	9.66 ft	200.00 ml/min
5/13/2024 10:52 AM	25:00	6.39 pH	16.42 °C	1,934.2 µS/cm	0.06 mg/L	2.16 NTU	-49.0 mV	9.88 ft	200.00 ml/min
5/13/2024 10:57 AM	30:00	6.39 pH	16.45 °C	1,983.3 µS/cm	0.07 mg/L	2.29 NTU	-52.5 mV	9.98 ft	200.00 ml/min
5/13/2024 11:02 AM	35:00	6.39 pH	16.47 °C	2,000.4 µS/cm	0.06 mg/L	2.10 NTU	-51.7 mV	10.05 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-02	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 5/13/2024 11:39:09 AM
Project: Plant Hammond
Operator Name: Anthony Szwast

Location Name: PT-03 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 15.29 ft** **Total Depth: 25.29 ft** **Initial Depth to Water: 6.35 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 20.29 ft** **Estimated Total Volume Pumped: 9 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.15 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850751**

Test Notes:
Full App. III and IV and Major Ions (no RADs).

Weather Conditions:
Cloudy, 61 deg. F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
5/13/2024 11:39 AM	00:00	5.42 pH	16.35 °C	1,214.2 µS/cm	0.33 mg/L	2.40 NTU	145.5 mV	6.53 ft	200.00 ml/min
5/13/2024 11:44 AM	05:00	5.36 pH	16.23 °C	1,212.7 µS/cm	0.20 mg/L	2.67 NTU	163.8 mV	6.53 ft	200.00 ml/min
5/13/2024 11:49 AM	10:00	5.31 pH	16.25 °C	1,252.2 µS/cm	0.15 mg/L	2.11 NTU	127.3 mV	6.52 ft	200.00 ml/min
5/13/2024 11:54 AM	15:00	5.28 pH	16.25 °C	1,297.9 µS/cm	0.11 mg/L	4.03 NTU	123.2 mV	6.52 ft	200.00 ml/min
5/13/2024 11:59 AM	20:00	5.26 pH	16.31 °C	1,338.9 µS/cm	0.09 mg/L	0.71 NTU	120.9 mV	6.52 ft	200.00 ml/min
5/13/2024 12:04 PM	25:00	5.25 pH	16.29 °C	1,365.3 µS/cm	0.07 mg/L	0.77 NTU	118.5 mV	6.52 ft	200.00 ml/min
5/13/2024 12:09 PM	30:00	5.19 pH	16.30 °C	1,434.3 µS/cm	0.06 mg/L	0.83 NTU	118.6 mV	6.52 ft	200.00 ml/min
5/13/2024 12:14 PM	35:00	5.18 pH	16.38 °C	1,443.3 µS/cm	0.06 mg/L	0.50 NTU	116.9 mV	6.51 ft	200.00 ml/min
5/13/2024 12:19 PM	40:00	5.14 pH	16.48 °C	1,482.5 µS/cm	0.05 mg/L	2.56 NTU	116.6 mV	6.50 ft	200.00 ml/min

Samples

Sample ID:	Description:

HAM-PT-03	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 5/13/2024 1:55:33 PM
Project: Plant Hammond
Operator Name: Anthony Szwast

Location Name: PT-04 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 23.87 ft** **Total Depth: 33.87 ft** **Initial Depth to Water: 12.42 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 28.87 ft** **Estimated Total Volume Pumped: 10.2 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.07 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850751**

Test Notes:
Full App. III and IV and Major Ions (no RADs).

Weather Conditions:
Cloudy, 65 deg. F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
5/13/2024 1:55 PM	00:00	6.49 pH	17.90 °C	1,730.9 µS/cm	0.18 mg/L	11.59 NTU	-35.4 mV	12.47 ft	200.00 ml/min
5/13/2024 2:00 PM	05:00	6.50 pH	17.81 °C	1,723.6 µS/cm	0.13 mg/L	16.20 NTU	-39.9 mV	12.47 ft	200.00 ml/min
5/13/2024 2:05 PM	10:00	6.50 pH	17.84 °C	1,715.5 µS/cm	0.11 mg/L	12.90 NTU	-35.7 mV	12.47 ft	200.00 ml/min
5/13/2024 2:10 PM	15:00	6.51 pH	17.94 °C	1,727.5 µS/cm	0.09 mg/L	16.80 NTU	-36.9 mV	12.47 ft	200.00 ml/min
5/13/2024 2:15 PM	20:00	6.51 pH	18.02 °C	1,735.7 µS/cm	0.09 mg/L	11.50 NTU	-38.0 mV	12.47 ft	200.00 ml/min
5/13/2024 2:20 PM	25:00	6.51 pH	18.29 °C	1,740.6 µS/cm	0.08 mg/L	12.39 NTU	-39.6 mV	12.47 ft	200.00 ml/min
5/13/2024 2:25 PM	30:00	6.51 pH	18.21 °C	1,747.2 µS/cm	0.08 mg/L	8.48 NTU	-40.7 mV	12.48 ft	200.00 ml/min
5/13/2024 2:30 PM	35:00	6.52 pH	18.22 °C	1,754.2 µS/cm	0.08 mg/L	7.74 NTU	-41.5 mV	12.48 ft	200.00 ml/min
5/13/2024 2:35 PM	40:00	6.52 pH	18.26 °C	1,761.9 µS/cm	0.08 mg/L	6.06 NTU	-42.4 mV	12.48 ft	200.00 ml/min
5/13/2024 2:40 PM	45:00	6.53 pH	18.21 °C	1,759.2 µS/cm	0.09 mg/L	4.96 NTU	-41.8 mV	12.49 ft	200.00 ml/min

Samples

Sample ID:	Description:

HAM-PT-04	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 5/13/2024 3:19:12 PM
Project: Plant Hammond
Operator Name: Anthony Szwast

Location Name: PT-05 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 25.11 ft** **Total Depth: 35.11 ft** **Initial Depth to Water: 12.74 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 30.11 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850751**

Test Notes:
Full App. III and IV and Major Ions (no RADs).

Weather Conditions:
Cloudy, 65 deg. F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
5/13/2024 3:19 PM	00:00	6.46 pH	18.26 °C	2,208.7 µS/cm	0.34 mg/L	6.10 NTU	11.3 mV	12.79 ft	200.00 ml/min
5/13/2024 3:24 PM	05:00	6.52 pH	18.04 °C	2,291.4 µS/cm	0.29 mg/L	5.55 NTU	7.9 mV	12.81 ft	200.00 ml/min
5/13/2024 3:29 PM	10:00	6.60 pH	17.99 °C	2,401.3 µS/cm	0.29 mg/L	3.62 NTU	12.1 mV	12.83 ft	200.00 ml/min
5/13/2024 3:34 PM	15:00	6.61 pH	18.04 °C	2,389.5 µS/cm	0.31 mg/L	2.87 NTU	17.1 mV	12.82 ft	200.00 ml/min
5/13/2024 3:39 PM	20:00	6.61 pH	18.04 °C	2,444.6 µS/cm	0.32 mg/L	2.42 NTU	22.1 mV	12.84 ft	200.00 ml/min
5/13/2024 3:44 PM	25:00	6.61 pH	18.01 °C	2,398.0 µS/cm	0.29 mg/L	2.22 NTU	23.5 mV	12.84 ft	200.00 ml/min
5/13/2024 3:49 PM	30:00	6.62 pH	18.07 °C	2,445.0 µS/cm	0.29 mg/L	2.11 NTU	23.9 mV	12.84 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-05	Grab.

Low-Flow Test Report:

Test Date / Time: 5/13/2024 4:28:08 PM
Project: Plant Hammond
Operator Name: Anthony Szwast

Location Name: PT-06 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 25.48 ft** **Total Depth: 35.48 ft** **Initial Depth to Water: 12.61 ft**	**Pump Type: Peri** **Tubing Type: Poly** **Pump Intake From TOC: 30.48 ft** **Estimated Total Volume Pumped: 10 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.11 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850751**

Test Notes:
Full App. III and IV and Major Ions (no RADs).

Weather Conditions:
Cloudy, 68 deg. F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
5/13/2024 4:28 PM	00:00	6.43 pH	18.43 °C	1,903.4 µS/cm	0.22 mg/L	12.39 NTU	26.7 mV	12.68 ft	200.00 ml/min
5/13/2024 4:33 PM	05:00	6.43 pH	18.13 °C	1,918.0 µS/cm	0.13 mg/L	11.08 NTU	27.0 mV	12.69 ft	200.00 ml/min
5/13/2024 4:38 PM	10:00	6.43 pH	18.08 °C	1,933.6 µS/cm	0.11 mg/L	6.42 NTU	25.4 mV	12.69 ft	200.00 ml/min
5/13/2024 4:43 PM	15:00	6.43 pH	18.02 °C	1,927.4 µS/cm	0.09 mg/L	5.30 NTU	25.0 mV	12.70 ft	200.00 ml/min
5/13/2024 4:48 PM	20:00	6.43 pH	18.12 °C	1,919.6 µS/cm	0.08 mg/L	5.21 NTU	25.1 mV	12.70 ft	200.00 ml/min
5/13/2024 4:53 PM	25:00	6.43 pH	18.13 °C	1,923.4 µS/cm	0.08 mg/L	6.10 NTU	24.3 mV	12.71 ft	200.00 ml/min
5/13/2024 4:58 PM	30:00	6.43 pH	18.18 °C	1,931.5 µS/cm	0.07 mg/L	5.75 NTU	24.3 mV	12.71 ft	200.00 ml/min
5/13/2024 5:03 PM	35:00	6.43 pH	18.09 °C	1,921.2 µS/cm	0.07 mg/L	6.00 NTU	24.0 mV	12.72 ft	200.00 ml/min
5/13/2024 5:08 PM	40:00	6.43 pH	17.94 °C	1,942.2 µS/cm	0.06 mg/L	6.00 NTU	24.0 mV	12.72 ft	200.00 ml/min
5/13/2024 5:13 PM	45:00	6.43 pH	17.94 °C	1,933.6 µS/cm	0.06 mg/L	2.06 NTU	23.8 mV	12.72 ft	200.00 ml/min

Samples

Sample ID:	Description:

HAM-PT-06	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/15/2024 2:19:56 PM
Project: GP-Plant Hammond
Operator Name: Jacob Tracy

Location Name: INW-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 10.3 ft** **Total Depth: 20.3 ft** **Initial Depth to Water: 10.22 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 15.3 ft** **Estimated Total Volume Pumped: 3 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 2.19 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080297**

Test Notes:
Field parameters only.

Weather Conditions:
Sunny, 95F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/15/2024 2:19 PM	00:00	6.82 pH	24.84 °C	315.17 µS/cm	0.49 mg/L	4.04 NTU	53.1 mV	11.66 ft	200.0 ml/min
8/15/2024 2:24 PM	05:00	6.54 pH	23.11 °C	438.11 µS/cm	0.31 mg/L	3.09 NTU	75.4 mV	12.11 ft	200.0 ml/min
8/15/2024 2:29 PM	10:00	6.43 pH	22.23 °C	491.24 µS/cm	0.28 mg/L	3.55 NTU	78.1 mV	12.41 ft	200.0 ml/min

Samples

Sample ID:	Description:
--	Field parameters.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/15/2024 1:59:07 PM
Project: GP-Plant Hammond
Operator Name: Jamie Newsome

Location Name: INW-02 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 25.3 ft** **Total Depth: 35.3 ft** **Initial Depth to Water: 14.68 ft**	**Pump Type: Peristaltic** **Tubing Type: Poly** **Pump Intake From TOC: 30.5 ft** **Estimated Total Volume Pumped: 2 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080293**

Test Notes:
Field parameters only.

Weather Conditions:
Sunny, 95F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/15/2024 1:59 PM	00:00	6.85 pH	23.72 °C	1,446.4 µS/cm	0.16 mg/L	1.86 NTU	-45.2 mV	14.68 ft	200.00 ml/min
8/15/2024 2:04 PM	05:00	6.85 pH	20.97 °C	1,529.0 µS/cm	0.08 mg/L	1.82 NTU	-42.8 mV	14.68 ft	200.00 ml/min
8/15/2024 2:09 PM	10:00	6.85 pH	20.82 °C	1,534.0 µS/cm	0.04 mg/L	1.42 NTU	-40.8 mV	14.68 ft	200.00 ml/min

Samples

Sample ID:	Description:
--	Field parameters.

Low-Flow Test Report:

Test Date / Time: 8/15/2024 11:32:31 AM
Project: GP-Plant Hammond
Operator Name: Jacob Tracy

Location Name: PT-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 10.3 ft** **Total Depth: 20.3 ft** **Initial Depth to Water: 10.48 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 15.3 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 2.38 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080297**

Test Notes:
Full Appendix III and IV and major ions.

Weather Conditions:
Sunny, 90F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/15/2024 11:32 AM	00:00	6.44 pH	21.81 °C	408.82 µS/cm	0.29 mg/L	4.25 NTU	124.8 mV	12.12 ft	200.00 ml/min
8/15/2024 11:37 AM	05:00	6.37 pH	21.31 °C	421.79 µS/cm	0.31 mg/L	4.00 NTU	87.0 mV	12.36 ft	200.00 ml/min
8/15/2024 11:42 AM	10:00	6.34 pH	20.96 °C	437.17 µS/cm	0.24 mg/L	3.63 NTU	49.3 mV	12.65 ft	200.00 ml/min
8/15/2024 11:47 AM	15:00	6.36 pH	20.85 °C	459.37 µS/cm	0.36 mg/L	3.42 NTU	34.5 mV	12.76 ft	200.00 ml/min
8/15/2024 11:52 AM	20:00	6.38 pH	20.91 °C	466.17 µS/cm	0.13 mg/L	3.32 NTU	24.8 mV	12.82 ft	200.00 ml/min
8/15/2024 11:57 AM	25:00	6.40 pH	20.82 °C	478.24 µS/cm	0.07 mg/L	3.53 NTU	18.3 mV	12.84 ft	200.00 ml/min
8/15/2024 12:02 PM	30:00	6.42 pH	20.60 °C	477.10 µS/cm	0.08 mg/L	3.40 NTU	14.1 mV	12.86 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-01	Grab.

Low-Flow Test Report:

Test Date / Time: 8/15/2024 12:46:08 PM
Project: GP-Plant Hammond
Operator Name: Jacob Tracy

Location Name: PT-02 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 10.3 ft** **Total Depth: 20.3 ft** **Initial Depth to Water: 10.49 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene Pump** **Intake From TOC: 15.3 ft** **Estimated Total Volume Pumped: 8 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 2.81 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080297**

Test Notes:
Full Appendix III and IV and major ions.

Weather Conditions:
Sunny, 90F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/15/2024 12:46 PM	00:00	6.36 pH	22.29 °C	529.25 µS/cm	0.43 mg/L	4.96 NTU	41.5 mV	10.89 ft	200.00 ml/min
8/15/2024 12:51 PM	05:00	6.32 pH	21.99 °C	567.71 µS/cm	0.33 mg/L	4.55 NTU	32.1 mV	12.69 ft	200.00 ml/min
8/15/2024 12:56 PM	10:00	6.33 pH	22.20 °C	580.29 µS/cm	0.76 mg/L	4.22 NTU	24.7 mV	13.13 ft	200.00 ml/min
8/15/2024 1:01 PM	15:00	6.22 pH	22.32 °C	694.68 µS/cm	0.56 mg/L	3.96 NTU	22.7 mV	13.65 ft	200.00 ml/min
8/15/2024 1:06 PM	20:00	6.27 pH	22.44 °C	780.92 µS/cm	3.96 mg/L	3.22 NTU	19.4 mV	14.32 ft	200.00 ml/min
8/15/2024 1:11 PM	25:00	6.22 pH	22.29 °C	790.70 µS/cm	3.19 mg/L	3.12 NTU	22.3 mV	13.74 ft	200.00 ml/min
8/15/2024 1:16 PM	30:00	6.24 pH	21.55 °C	826.52 µS/cm	0.76 mg/L	2.85 NTU	8.4 mV	13.35 ft	200.00 ml/min
8/15/2024 1:21 PM	35:00	6.33 pH	21.38 °C	887.27 µS/cm	0.76 mg/L	3.04 NTU	-5.1 mV	13.31 ft	200.00 ml/min
8/15/2024 1:26 PM	40:00	6.37 pH	21.46 °C	923.26 µS/cm	0.50 mg/L	3.01 NTU	-15.4 mV	13.31 ft	200.00 ml/min
8/15/2024 1:31 PM	45:00	6.39 pH	22.37 °C	950.64 µS/cm	0.49 mg/L	3.00 NTU	-14.7 mV	13.30 ft	200.00 ml/min
8/15/2024 1:36 PM	50:00	6.40 pH	22.78 °C	970.84 µS/cm	0.54 mg/L	2.97 NTU	-16.0 mV	13.30 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-02	Grab.

Low-Flow Test Report:

Test Date / Time: 8/15/2024 10:10:04 AM
Project: GP-Plant Hammond
Operator Name: Jacob Tracy

Location Name: PT-03 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 12.3 ft** **Total Depth: 22.3 ft** **Initial Depth to Water: 10.48 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 17.3 ft** **Estimated Total Volume Pumped: 8 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.14 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080297**

Test Notes:
Full Appendix III and IV and major ions.

Weather Conditions:
Sunny, 90F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/15/2024 10:10 AM	00:00	4.92 pH	20.58 °C	1,228.0 µS/cm	0.71 mg/L	3.49 NTU	113.4 mV	10.48 ft	200.00 ml/min
8/15/2024 10:15 AM	05:00	4.90 pH	20.38 °C	1,259.5 µS/cm	0.59 mg/L	3.07 NTU	130.3 mV	10.58 ft	200.00 ml/min
8/15/2024 10:20 AM	10:00	4.88 pH	20.22 °C	1,280.1 µS/cm	0.55 mg/L	2.88 NTU	117.9 mV	10.62 ft	200.00 ml/min
8/15/2024 10:25 AM	15:00	4.87 pH	20.41 °C	1,291.6 µS/cm	0.56 mg/L	2.62 NTU	137.5 mV	10.62 ft	200.00 ml/min
8/15/2024 10:30 AM	20:00	4.85 pH	20.27 °C	1,305.7 µS/cm	0.51 mg/L	2.32 NTU	125.3 mV	10.62 ft	200.00 ml/min
8/15/2024 10:35 AM	25:00	4.84 pH	20.32 °C	1,376.7 µS/cm	0.55 mg/L	2.10 NTU	146.2 mV	10.62 ft	200.00 ml/min
8/15/2024 10:40 AM	30:00	4.82 pH	20.43 °C	1,339.3 µS/cm	0.56 mg/L	2.12 NTU	131.7 mV	10.62 ft	200.00 ml/min
8/15/2024 10:45 AM	35:00	4.81 pH	20.32 °C	1,347.9 µS/cm	0.52 mg/L	2.23 NTU	154.7 mV	10.62 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-03	Grab.

Low-Flow Test Report:

Test Date / Time: 8/15/2024 10:28:26 AM
Project: GP-Plant Hammond
Operator Name: Jamie Newsome

Location Name: PT-04 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 24.1 ft** **Total Depth: 34.1 ft** **Initial Depth to Water: 14.35 ft**	**Pump Type: Peristaltic** **Tubing Type: Poly** **Pump Intake From TOC: 29.1 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080293**

Test Notes:
Full Appendix III and IV and major ions.

Weather Conditions:
Sunny, 90F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/15/2024 10:28 AM	00:00	6.66 pH	21.20 °C	1,488.9 µS/cm	0.15 mg/L	19.70 NTU	-43.2 mV	14.35 ft	200.00 ml/min
8/15/2024 10:33 AM	05:00	6.67 pH	21.16 °C	1,476.9 µS/cm	0.10 mg/L	14.50 NTU	-46.6 mV	14.35 ft	200.00 ml/min
8/15/2024 10:38 AM	10:00	6.68 pH	21.27 °C	1,470.3 µS/cm	0.08 mg/L	6.87 NTU	-43.5 mV	14.35 ft	200.00 ml/min
8/15/2024 10:43 AM	15:00	6.68 pH	21.08 °C	1,465.5 µS/cm	0.07 mg/L	6.01 NTU	-43.5 mV	14.35 ft	200.00 ml/min
8/15/2024 10:48 AM	20:00	6.68 pH	21.30 °C	1,460.8 µS/cm	0.06 mg/L	4.62 NTU	-47.9 mV	14.35 ft	200.00 ml/min
8/15/2024 10:53 AM	25:00	6.68 pH	21.21 °C	1,453.7 µS/cm	0.05 mg/L	4.09 NTU	-43.7 mV	14.35 ft	200.00 ml/min
8/15/2024 10:58 AM	30:00	6.68 pH	21.37 °C	1,461.0 µS/cm	0.05 mg/L	4.48 NTU	-47.9 mV	14.35 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-04	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/15/2024 12:50:08 PM
Project: GP-Plant Hammond
Operator Name: Jamie Newsome

Location Name: PT-05 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 25.4 ft** **Total Depth: 35.4 ft** **Initial Depth to Water: 14.71 ft**	**Pump Type: Peristaltic** **Tubing Type: Poly** **Pump Intake From TOC: 30.4 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080293**

Test Notes:
Full Appendix III and IV and major ions.

Weather Conditions:
Sunny, 95F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/15/2024 12:50 PM	00:00	6.98 pH	23.88 °C	1,924.6 µS/cm	0.15 mg/L	1.64 NTU	-22.8 mV	14.71 ft	200.00 ml/min
8/15/2024 12:55 PM	05:00	6.98 pH	24.07 °C	1,939.6 µS/cm	0.10 mg/L	1.40 NTU	-24.4 mV	14.71 ft	200.00 ml/min
8/15/2024 1:00 PM	10:00	6.98 pH	24.15 °C	1,918.8 µS/cm	0.07 mg/L	1.03 NTU	-24.5 mV	14.71 ft	200.00 ml/min
8/15/2024 1:05 PM	15:00	6.97 pH	24.22 °C	1,919.1 µS/cm	0.06 mg/L	0.78 NTU	-25.9 mV	14.71 ft	200.00 ml/min
8/15/2024 1:10 PM	20:00	6.98 pH	23.30 °C	1,895.3 µS/cm	0.05 mg/L	0.76 NTU	-24.6 mV	14.71 ft	200.00 ml/min
8/15/2024 1:15 PM	25:00	6.98 pH	22.59 °C	1,901.0 µS/cm	0.04 mg/L	0.84 NTU	-22.9 mV	14.71 ft	200.00 ml/min
8/15/2024 1:20 PM	30:00	6.99 pH	22.23 °C	1,906.5 µS/cm	0.04 mg/L	0.80 NTU	-22.7 mV	14.71 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-05	Grab.

Low-Flow Test Report:

Test Date / Time: 8/15/2024 11:37:10 AM
Project: GP-Plant Hammond
Operator Name: Jamie Newsome

Location Name: PT-06 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 25.8 ft** **Total Depth: 35.8 ft** **Initial Depth to Water: 14.51 ft**	**Pump Type: Peristaltic** **Tubing Type: Poly** **Pump Intake From TOC: 30.8 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080293**

Test Notes:
Full Appendix III and IV and major ions.

Weather Conditions:
Sunny, 90F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/15/2024 11:37 AM	00:00	6.66 pH	21.33 °C	1,568.8 µS/cm	0.23 mg/L	2.07 NTU	8.2 mV	14.51 ft	200.00 ml/min
8/15/2024 11:42 AM	05:00	6.69 pH	20.98 °C	1,601.2 µS/cm	0.15 mg/L	2.15 NTU	-3.8 mV	14.51 ft	200.00 ml/min
8/15/2024 11:47 AM	10:00	6.68 pH	21.22 °C	1,592.4 µS/cm	0.14 mg/L	3.00 NTU	-7.3 mV	14.51 ft	200.00 ml/min
8/15/2024 11:52 AM	15:00	6.68 pH	21.46 °C	1,599.3 µS/cm	0.08 mg/L	2.77 NTU	-8.4 mV	14.51 ft	200.00 ml/min
8/15/2024 11:57 AM	20:00	6.67 pH	21.73 °C	1,596.6 µS/cm	0.07 mg/L	1.69 NTU	-9.3 mV	14.51 ft	200.00 ml/min
8/15/2024 12:02 PM	25:00	6.67 pH	21.78 °C	1,596.3 µS/cm	0.06 mg/L	2.17 NTU	-9.7 mV	14.51 ft	200.00 ml/min
8/15/2024 12:07 PM	30:00	6.68 pH	21.71 °C	1,591.1 µS/cm	0.05 mg/L	1.68 NTU	-6.6 mV	14.51 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-06	Grab.
HAM-AP2-FD-01	Grab.

Low-Flow Test Report:

Test Date / Time: 11/14/2024 2:23:51 PM
Project: GP-Plant Hammond
Operator Name: Jacob T.

Location Name: INW-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 13.26 ft** **Total Depth: 23.26 ft** **Initial Depth to Water: 9.93 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 18.26 ft** **Estimated Total Volume Pumped: 4 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 160 ml/min** **Final Draw Down: 1.7 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082817**

Test Notes:
Parameters.

Weather Conditions:
Cloudy, 60 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
11/14/2024 2:23 PM	00:00	6.31 pH	19.01 °C	379.45 µS/cm	6.99 mg/L	2.14 NTU	71.3 mV	11.16 ft	160.00 ml/min
11/14/2024 2:28 PM	05:00	6.31 pH	18.85 °C	376.42 µS/cm	5.57 mg/L	2.27 NTU	57.6 mV	11.37 ft	160.00 ml/min
11/14/2024 2:33 PM	10:00	6.31 pH	18.94 °C	378.96 µS/cm	5.51 mg/L	2.20 NTU	53.8 mV	11.56 ft	160.00 ml/min
11/14/2024 2:38 PM	15:00	6.31 pH	18.98 °C	380.22 µS/cm	5.51 mg/L	1.98 NTU	53.7 mV	11.63 ft	160.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 11/14/2024 2:41:46 PM
Project: GP-Plant Hammond
Operator Name: Zain W.

Location Name: INW-02 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 25.40 ft** **Total Depth: 35.40 ft** **Initial Depth to Water: 14.92 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 30.40 ft** **Estimated Total Volume Pumped: 3 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: -0.03 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080302**

Test Notes:
Parameters.

Weather Conditions:
Cloudy, 60 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
11/14/2024 2:41 PM	00:00	6.57 pH	18.97 °C	1,545.1 µS/cm	2.99 mg/L	0.63 NTU	-53.8 mV	14.89 ft	200.00 ml/min
11/14/2024 2:46 PM	05:00	6.57 pH	18.96 °C	1,536.4 µS/cm	1.12 mg/L	0.31 NTU	-86.5 mV	14.89 ft	200.00 ml/min
11/14/2024 2:51 PM	10:00	6.57 pH	18.88 °C	1,550.1 µS/cm	0.91 mg/L	0.56 NTU	-90.6 mV	14.89 ft	200.00 ml/min
11/14/2024 2:56 PM	15:00	6.57 pH	18.90 °C	1,535.6 µS/cm	0.74 mg/L	0.23 NTU	-67.3 mV	14.89 ft	200.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 11/14/2024 3:28:04 PM
Project: GP-Plant Hammond
Operator Name: Jacob T.

Location Name: MW-56 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 14.27 ft** **Total Depth: 24.27 ft** **Initial Depth to Water: 10.87 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 19.27 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082817**

Test Notes:
One Bottle: Metals. Ferrous Iron: 0 mg/L, Total Iron: 0 mg/L.

Weather Conditions:
Cloudy, 60 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
11/14/2024 3:28 PM	00:00	5.52 pH	19.26 °C	1,608.1 µS/cm	0.43 mg/L	3.28 NTU	63.6 mV	10.92 ft	200.00 ml/min
11/14/2024 3:33 PM	05:00	5.47 pH	19.21 °C	1,636.1 µS/cm	0.34 mg/L	1.97 NTU	70.6 mV	10.92 ft	200.00 ml/min
11/14/2024 3:38 PM	10:00	5.44 pH	19.19 °C	1,666.4 µS/cm	0.29 mg/L	1.70 NTU	52.4 mV	10.92 ft	200.00 ml/min
11/14/2024 3:43 PM	15:00	5.41 pH	19.18 °C	1,672.3 µS/cm	0.27 mg/L	1.52 NTU	49.9 mV	10.92 ft	200.00 ml/min
11/14/2024 3:48 PM	20:00	5.39 pH	19.10 °C	1,681.3 µS/cm	0.26 mg/L	1.30 NTU	50.5 mV	10.92 ft	200.00 ml/min
11/14/2024 3:53 PM	25:00	5.38 pH	19.16 °C	1,687.6 µS/cm	0.25 mg/L	1.65 NTU	51.4 mV	10.92 ft	200.00 ml/min
11/14/2024 3:58 PM	30:00	5.37 pH	19.14 °C	1,663.5 µS/cm	0.24 mg/L	1.21 NTU	52.5 mV	10.92 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-MW-56	Grab.

Low-Flow Test Report:

Test Date / Time: 11/15/2024 9:30:04 AM
Project: GP-Plant Hammond
Operator Name: Jacob T.

Location Name: MW-57 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 14.18 ft** **Total Depth: 24.18 ft** **Initial Depth to Water: 11.97 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 19.18 ft** **Estimated Total Volume Pumped: 11 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.12 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082817**

Test Notes:
One Bottle: Metals. Ferrous Iron: 0 mg/L, Total Iron: 0 mg/L.

Weather Conditions:
Cloudy, 60 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
11/15/2024 9:30 AM	00:00	5.35 pH	18.10 °C	1,544.0 µS/cm	0.57 mg/L	4.01 NTU	117.6 mV	12.05 ft	200.00 ml/min
11/15/2024 9:35 AM	05:00	5.20 pH	18.12 °C	1,690.0 µS/cm	0.46 mg/L	2.59 NTU	136.3 mV	12.09 ft	200.00 ml/min
11/15/2024 9:40 AM	10:00	5.19 pH	18.10 °C	1,760.7 µS/cm	0.44 mg/L	2.17 NTU	73.1 mV	12.09 ft	200.00 ml/min
11/15/2024 9:45 AM	15:00	5.20 pH	18.03 °C	1,805.8 µS/cm	0.43 mg/L	1.95 NTU	62.4 mV	12.09 ft	200.00 ml/min
11/15/2024 9:50 AM	20:00	5.30 pH	17.99 °C	1,859.8 µS/cm	0.45 mg/L	1.76 NTU	53.0 mV	12.09 ft	200.00 ml/min
11/15/2024 9:55 AM	25:00	5.45 pH	17.93 °C	1,905.3 µS/cm	0.43 mg/L	2.34 NTU	46.9 mV	12.09 ft	200.00 ml/min
11/15/2024 10:00 AM	30:00	5.65 pH	17.96 °C	1,931.4 µS/cm	0.44 mg/L	1.77 NTU	41.1 mV	12.09 ft	200.00 ml/min
11/15/2024 10:05 AM	35:00	5.77 pH	17.95 °C	1,950.5 µS/cm	0.44 mg/L	1.54 NTU	37.5 mV	12.09 ft	200.00 ml/min
11/15/2024 10:10 AM	40:00	5.86 pH	17.94 °C	1,970.8 µS/cm	0.46 mg/L	1.63 NTU	49.2 mV	12.09 ft	200.00 ml/min
11/15/2024 10:15 AM	45:00	5.88 pH	17.76 °C	1,968.2 µS/cm	0.63 mg/L	1.99 NTU	34.1 mV	12.09 ft	200.00 ml/min
11/15/2024 10:20 AM	50:00	5.93 pH	17.92 °C	1,947.5 µS/cm	0.53 mg/L	1.79 NTU	31.1 mV	12.09 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-MW-57	Grab.

Low-Flow Test Report:

Test Date / Time: 11/15/2024 8:51:14 AM
Project: GP-Plant Hammond
Operator Name: Zain W.

Location Name: MW-58 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 16.81 ft** **Total Depth: 26.81 ft** **Initial Depth to Water: 12.59 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 21.81 ft** **Estimated Total Volume Pumped: 18 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min Final Draw Down: 0.92 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080302**

Test Notes:
One Bottle: Metals. Ferrous Iron: 0 mg/L, Total Iron: 0 mg/L.

Weather Conditions:
Cloudy, 60 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
11/15/2024 8:51 AM	00:00	6.73 pH	17.50 °C	318.95 µS/cm	2.01 mg/L	3.86 NTU	141.2 mV	12.59 ft	200.00 ml/min
11/15/2024 8:56 AM	05:00	6.41 pH	18.52 °C	317.60 µS/cm	2.12 mg/L	2.93 NTU	120.6 mV	13.40 ft	200.00 ml/min
11/15/2024 9:01 AM	10:00	6.36 pH	18.56 °C	323.05 µS/cm	2.31 mg/L	2.14 NTU	75.1 mV	13.43 ft	200.00 ml/min
11/15/2024 9:06 AM	15:00	6.32 pH	18.53 °C	338.97 µS/cm	2.16 mg/L	1.90 NTU	69.2 mV	13.45 ft	200.00 ml/min
11/15/2024 9:11 AM	20:00	6.27 pH	18.55 °C	375.91 µS/cm	2.02 mg/L	1.78 NTU	66.6 mV	13.46 ft	200.00 ml/min
11/15/2024 9:16 AM	25:00	6.20 pH	18.54 °C	439.39 µS/cm	1.71 mg/L	1.20 NTU	63.9 mV	13.48 ft	200.00 ml/min
11/15/2024 9:21 AM	30:00	6.13 pH	18.52 °C	516.38 µS/cm	1.55 mg/L	1.14 NTU	60.7 mV	13.49 ft	200.00 ml/min
11/15/2024 9:26 AM	35:00	6.07 pH	18.45 °C	580.42 µS/cm	1.38 mg/L	0.99 NTU	58.1 mV	13.51 ft	200.00 ml/min
11/15/2024 9:31 AM	40:00	6.03 pH	18.52 °C	627.07 µS/cm	1.22 mg/L	0.81 NTU	55.7 mV	13.51 ft	200.00 ml/min
11/15/2024 9:36 AM	45:00	6.01 pH	18.49 °C	663.58 µS/cm	1.08 mg/L	0.68 NTU	53.4 mV	13.51 ft	200.00 ml/min
11/15/2024 9:41 AM	50:00	5.98 pH	18.54 °C	697.85 µS/cm	0.96 mg/L	0.41 NTU	52.1 mV	13.51 ft	200.00 ml/min
11/15/2024 9:46 AM	55:00	5.96 pH	18.52 °C	722.93 µS/cm	0.86 mg/L	0.36 NTU	50.3 mV	13.51 ft	200.00 ml/min
11/15/2024 9:51 AM	01:00:00	5.95 pH	18.52 °C	743.25 µS/cm	0.78 mg/L	0.22 NTU	48.7 mV	13.51 ft	200.00 ml/min

11/15/2024 9:56 AM	01:05:00	5.93 pH	18.50 °C	768.06 µS/cm	0.71 mg/L	0.21 NTU	47.3 mV	13.51 ft	200.00 ml/min
11/15/2024 10:01 AM	01:10:00	5.92 pH	18.52 °C	786.48 µS/cm	0.63 mg/L	0.12 NTU	45.9 mV	13.51 ft	200.00 ml/min
11/15/2024 10:06 AM	01:15:00	5.91 pH	18.53 °C	795.10 µS/cm	0.56 mg/L	0.16 NTU	45.2 mV	13.51 ft	200.00 ml/min
11/15/2024 10:11 AM	01:20:00	5.90 pH	18.59 °C	809.72 µS/cm	0.50 mg/L	0.09 NTU	44.0 mV	13.51 ft	200.00 ml/min
11/15/2024 10:16 AM	01:25:00	5.89 pH	18.60 °C	820.35 µS/cm	0.47 mg/L	0.04 NTU	43.1 mV	13.51 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-MW-58	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 11/14/2024 4:09:12 PM
Project: GP-Plant Hammond
Operator Name: Zain W.

Location Name: MW-59 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.58 ft** **Total Depth: 42.58 ft** **Initial Depth to Water: 29.51 ft**	**Pump Type: Bladder** **Tubing Type: Polyethylene** **Pump Intake From TOC: 37.58 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.41 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080302**

Test Notes:
One Bottle: Metals. Ferrous Iron: 0 mg/L, Total Iron: 0 mg/L

Weather Conditions:
Cloudy, 60 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
11/14/2024 4:09 PM	00:00	4.35 pH	19.44 °C	2,237.6 µS/cm	1.21 mg/L	5.17 NTU	273.2 mV	29.51 ft	200.00 ml/min
11/14/2024 4:14 PM	05:00	4.34 pH	19.41 °C	2,240.1 µS/cm	1.04 mg/L	4.48 NTU	229.5 mV	29.80 ft	200.00 ml/min
11/14/2024 4:19 PM	10:00	4.34 pH	19.40 °C	2,245.9 µS/cm	0.93 mg/L	4.07 NTU	283.5 mV	29.82 ft	200.00 ml/min
11/14/2024 4:24 PM	15:00	4.34 pH	19.38 °C	2,235.6 µS/cm	0.58 mg/L	3.26 NTU	207.6 mV	29.85 ft	200.00 ml/min
11/14/2024 4:29 PM	20:00	4.34 pH	19.32 °C	2,235.3 µS/cm	0.50 mg/L	3.97 NTU	189.3 mV	29.88 ft	200.00 ml/min
11/14/2024 4:34 PM	25:00	4.34 pH	19.27 °C	2,222.3 µS/cm	0.51 mg/L	4.66 NTU	179.8 mV	29.92 ft	200.00 ml/min
11/14/2024 4:39 PM	30:00	4.34 pH	19.27 °C	2,224.9 µS/cm	0.44 mg/L	2.35 NTU	172.3 mV	29.93 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-MW-59	Grab.

Low-Flow Test Report:

Test Date / Time: 11/14/2024 10:41:11 AM
Project: GP-Plant Hammond
Operator Name: Jacob T.

Location Name: PT-01 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 13.29 ft** **Total Depth: 23.29 ft** **Initial Depth to Water: 10.52 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 18.29 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 3.07 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082817**

Test Notes:
Five Bottles: Appendix III and IV + Major Ions. Ferrous Iron: 3.0 mg/L, Total Iron: 3.6 mg/L.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
11/14/2024 10:41 AM	00:00	6.29 pH	18.17 °C	579.17 µS/cm	0.29 mg/L	1.65 NTU	-74.3 mV	12.08 ft	200.00 ml/min
11/14/2024 10:46 AM	05:00	6.30 pH	18.44 °C	575.67 µS/cm	0.18 mg/L	1.31 NTU	-101.2 mV	12.58 ft	200.00 ml/min
11/14/2024 10:51 AM	10:00	6.30 pH	18.53 °C	581.24 µS/cm	0.13 mg/L	1.15 NTU	-61.6 mV	13.09 ft	200.00 ml/min
11/14/2024 10:56 AM	15:00	6.29 pH	18.70 °C	571.76 µS/cm	0.12 mg/L	0.98 NTU	-55.2 mV	13.33 ft	200.00 ml/min
11/14/2024 11:01 AM	20:00	6.29 pH	18.60 °C	570.56 µS/cm	0.12 mg/L	1.32 NTU	-52.3 mV	13.49 ft	200.00 ml/min
11/14/2024 11:06 AM	25:00	6.29 pH	18.61 °C	565.23 µS/cm	0.14 mg/L	1.33 NTU	-49.3 mV	13.55 ft	200.00 ml/min
11/14/2024 11:11 AM	30:00	6.29 pH	18.68 °C	561.82 µS/cm	0.17 mg/L	1.28 NTU	-48.3 mV	13.59 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-01	Grab.

Low-Flow Test Report:

Test Date / Time: 11/14/2024 12:18:23 PM
Project: GP-Plant Hammond
Operator Name: Jacob T.

Location Name: PT-02 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 13.36 ft** **Total Depth: 23.36 ft** **Initial Depth to Water: 12.57 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 18.36 ft** **Estimated Total Volume Pumped: 13 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 1.82 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082817**

Test Notes:
Five Bottles: Appendix III and IV + Major Ions. Ferrous Iron: 5.0 mg/L, Total Iron: 5.8 mg/L.

Weather Conditions:
Cloudy, 60 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
11/14/2024 12:18 PM	00:00	6.15 pH	18.12 °C	933.55 µS/cm	0.22 mg/L	1.74 NTU	-36.8 mV	12.76 ft	200.00 ml/min
11/14/2024 12:23 PM	05:00	6.10 pH	18.79 °C	968.18 µS/cm	0.13 mg/L	1.16 NTU	-45.6 mV	13.41 ft	200.00 ml/min
11/14/2024 12:28 PM	10:00	6.07 pH	18.80 °C	947.81 µS/cm	0.11 mg/L	0.99 NTU	-41.8 mV	13.84 ft	200.00 ml/min
11/14/2024 12:33 PM	15:00	6.08 pH	18.74 °C	968.24 µS/cm	0.15 mg/L	0.95 NTU	-36.1 mV	13.95 ft	200.00 ml/min
11/14/2024 12:38 PM	20:00	6.10 pH	18.81 °C	935.04 µS/cm	0.14 mg/L	0.83 NTU	-38.9 mV	14.05 ft	200.00 ml/min
11/14/2024 12:43 PM	25:00	6.18 pH	18.71 °C	983.47 µS/cm	0.20 mg/L	0.83 NTU	-57.5 mV	14.07 ft	200.00 ml/min
11/14/2024 12:48 PM	30:00	6.21 pH	18.76 °C	1,024.8 µS/cm	0.19 mg/L	0.70 NTU	-64.4 mV	14.07 ft	200.00 ml/min
11/14/2024 12:53 PM	35:00	6.24 pH	18.57 °C	1,092.7 µS/cm	0.16 mg/L	0.66 NTU	-70.6 mV	14.08 ft	200.00 ml/min
11/14/2024 12:58 PM	40:00	6.25 pH	18.61 °C	1,121.2 µS/cm	0.16 mg/L	0.68 NTU	-69.1 mV	14.12 ft	200.00 ml/min
11/14/2024 1:03 PM	45:00	6.24 pH	18.57 °C	1,159.8 µS/cm	0.15 mg/L	0.61 NTU	-66.1 mV	14.33 ft	200.00 ml/min
11/14/2024 1:08 PM	50:00	6.25 pH	18.63 °C	1,218.4 µS/cm	0.13 mg/L	0.78 NTU	-65.3 mV	14.37 ft	200.00 ml/min
11/14/2024 1:13 PM	55:00	6.26 pH	18.61 °C	1,261.6 µS/cm	0.13 mg/L	0.73 NTU	-61.9 mV	14.37 ft	200.00 ml/min
11/14/2024 1:18 PM	01:00:00	6.25 pH	18.80 °C	1,234.2 µS/cm	0.12 mg/L	0.95 NTU	-56.4 mV	14.39 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-02	Grab.
HAM-AP2-FD-01	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 11/14/2024 9:21:27 AM
Project: GP-Plant Hammond
Operator Name: Jacob T.

Location Name: PT-03 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 13.96 ft** **Total Depth: 23.96 ft** **Initial Depth to Water: 11.71 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 18.96 ft** **Estimated Total Volume Pumped: 5.6 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 160 ml/min** **Final Draw Down: 0.11 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082817**

Test Notes:
Five Bottles: Appendix III and IV + Major Ions. Ferrous Iron: 0 mg/L, Total Iron: 0 mg/L.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
11/14/2024 9:21 AM	00:00	5.45 pH	18.33 °C	1,479.2 µS/cm	0.28 mg/L	2.21 NTU	66.5 mV	11.71 ft	160.00 ml/min
11/14/2024 9:26 AM	05:00	5.44 pH	18.43 °C	1,469.4 µS/cm	0.21 mg/L	1.89 NTU	83.3 mV	11.82 ft	160.00 ml/min
11/14/2024 9:31 AM	10:00	5.47 pH	18.34 °C	1,476.5 µS/cm	0.19 mg/L	1.48 NTU	59.4 mV	11.82 ft	160.00 ml/min
11/14/2024 9:36 AM	15:00	5.48 pH	18.32 °C	1,483.3 µS/cm	0.14 mg/L	1.35 NTU	54.2 mV	11.82 ft	160.00 ml/min
11/14/2024 9:41 AM	20:00	5.51 pH	18.26 °C	1,486.5 µS/cm	0.13 mg/L	1.23 NTU	49.6 mV	11.82 ft	160.00 ml/min
11/14/2024 9:46 AM	25:00	5.49 pH	18.21 °C	1,504.5 µS/cm	0.11 mg/L	1.06 NTU	49.1 mV	11.82 ft	160.00 ml/min
11/14/2024 9:51 AM	30:00	5.49 pH	18.08 °C	1,524.7 µS/cm	0.11 mg/L	1.00 NTU	46.8 mV	11.82 ft	160.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-03	Grab.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 11/14/2024 1:24:52 PM
Project: GP-Plant Hammond
Operator Name: Zain W.

Location Name: PT-04 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 24.21 ft** **Total Depth: 34.21 ft** **Initial Depth to Water: 14.62 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 29.21 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080302**

Test Notes:
Five Bottles: Appendix III and IV + Major Ions. Ferrous Iron: 2.5 mg/L, Total Iron: 5.5 mg/L.

Weather Conditions:
Cloudy, 60 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
11/14/2024 1:24 PM	00:00	6.55 pH	19.09 °C	984.77 µS/cm	0.93 mg/L	2.93 NTU	-48.0 mV	14.62 ft	200.00 ml/min
11/14/2024 1:29 PM	05:00	6.47 pH	19.12 °C	1,432.8 µS/cm	0.62 mg/L	1.72 NTU	-57.6 mV	14.62 ft	200.00 ml/min
11/14/2024 1:34 PM	10:00	6.48 pH	19.05 °C	1,426.4 µS/cm	0.53 mg/L	0.97 NTU	-49.3 mV	14.62 ft	200.00 ml/min
11/14/2024 1:39 PM	15:00	6.48 pH	18.92 °C	1,418.8 µS/cm	0.49 mg/L	0.66 NTU	-52.5 mV	14.62 ft	200.00 ml/min
11/14/2024 1:44 PM	20:00	6.47 pH	18.93 °C	1,414.0 µS/cm	0.48 mg/L	0.83 NTU	-54.4 mV	14.62 ft	200.00 ml/min
11/14/2024 1:49 PM	25:00	6.47 pH	18.92 °C	1,412.6 µS/cm	0.45 mg/L	0.34 NTU	-54.7 mV	14.62 ft	200.00 ml/min
11/14/2024 1:54 PM	30:00	6.47 pH	18.86 °C	1,415.0 µS/cm	0.43 mg/L	0.21 NTU	-54.9 mV	14.62 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-04	Grab.

Low-Flow Test Report:

Test Date / Time: 11/14/2024 11:22:14 AM
Project: GP-Plant Hammond
Operator Name: Zain W.

Location Name: PT-05 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 25.50 ft** **Total Depth: 35.50 ft** **Initial Depth to Water: 14.91 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 30.50 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.03 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080302**

Test Notes:
Five Bottles: Appendix III and IV + Major Ions. Ferrous Iron: 0 mg/L, Total Iron: 0 mg/L.

Weather Conditions:
Cloudy, 60 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
11/14/2024 11:22 AM	00:00	6.80 pH	18.38 °C	1,932.6 µS/cm	0.54 mg/L	1.89 NTU	-4.2 mV	14.91 ft	200.00 ml/min
11/14/2024 11:27 AM	05:00	6.81 pH	18.45 °C	1,924.0 µS/cm	0.45 mg/L	1.16 NTU	-8.4 mV	14.93 ft	200.00 ml/min
11/14/2024 11:32 AM	10:00	6.79 pH	18.43 °C	1,885.2 µS/cm	0.42 mg/L	0.71 NTU	-9.8 mV	14.94 ft	200.00 ml/min
11/14/2024 11:37 AM	15:00	6.80 pH	18.38 °C	1,874.1 µS/cm	0.38 mg/L	0.33 NTU	-16.4 mV	14.94 ft	200.00 ml/min
11/14/2024 11:42 AM	20:00	6.79 pH	18.43 °C	1,849.4 µS/cm	0.37 mg/L	0.20 NTU	-17.7 mV	14.94 ft	200.00 ml/min
11/14/2024 11:47 AM	25:00	6.80 pH	18.42 °C	1,850.3 µS/cm	0.39 mg/L	0.16 NTU	-17.9 mV	14.94 ft	200.00 ml/min
11/14/2024 11:52 AM	30:00	6.80 pH	18.43 °C	1,853.2 µS/cm	0.37 mg/L	0.05 NTU	-20.2 mV	14.94 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-05	Grab.

Low-Flow Test Report:

Test Date / Time: 11/14/2024 9:58:11 AM
Project: GP-Plant Hammond
Operator Name: Zain W.

Location Name: PT-06 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 25.39 ft** **Total Depth: 35.39 ft** **Initial Depth to Water: 14.73 ft**	**Pump Type: Peristaltic** **Tubing Type: Polyethylene** **Pump Intake From TOC: 30.39 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.07 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080302**

Test Notes:
Five Bottles: Appendix III and IV + Major Ions. Ferrous Iron: 1.0 mg/L, Total Iron: 2.0 mg/L.

Weather Conditions:
Cloudy, 60 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
11/14/2024 9:58 AM	00:00	6.51 pH	18.10 °C	1,625.8 µS/cm	0.32 mg/L	2.49 NTU	6.9 mV	14.73 ft	200.00 ml/min
11/14/2024 10:03 AM	05:00	6.52 pH	18.16 °C	1,634.5 µS/cm	0.27 mg/L	2.12 NTU	1.3 mV	14.80 ft	200.00 ml/min
11/14/2024 10:08 AM	10:00	6.53 pH	18.16 °C	1,619.5 µS/cm	0.26 mg/L	1.60 NTU	-0.5 mV	14.80 ft	200.00 ml/min
11/14/2024 10:13 AM	15:00	6.53 pH	18.08 °C	1,616.8 µS/cm	0.27 mg/L	1.09 NTU	-2.6 mV	14.80 ft	200.00 ml/min
11/14/2024 10:18 AM	20:00	6.54 pH	18.13 °C	1,601.5 µS/cm	0.27 mg/L	0.98 NTU	-4.4 mV	14.80 ft	200.00 ml/min
11/14/2024 10:23 AM	25:00	6.54 pH	18.15 °C	1,575.4 µS/cm	0.25 mg/L	0.93 NTU	-5.6 mV	14.80 ft	200.00 ml/min
11/14/2024 10:28 AM	30:00	6.54 pH	18.21 °C	1,582.4 µS/cm	0.23 mg/L	0.81 NTU	-6.6 mV	14.80 ft	200.00 ml/min

Samples

Sample ID:	Description:
HAM-PT-06	Grab.

Calibration Forms

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 1/24/2024

Calibrated By: Thomas Hessler

Field Conditions: Rainy, 50°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Insitu	584187
Turbidity Meter	Lamotte	1603-4471

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24000044	5/24	Insitu
pH (SU)	4.00	24000041	5/24	Insitu
pH (SU)	7.00	22790139	4/24	Insitu
pH (SU)	10.00	22180130	4/24	Insitu
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	24022258	6/24	Insitu

Calibration					
Time Start 0715		**Time Finish** 0750			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4490	12.87	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	12.98	± 0.1	GWMP
pH (SU)	7.00	6.96	13.34	± 0.1	GWMP
pH (SU)	10.00	10.00	13.73	± 0.1	GWMP
D.O. (%)	N/A	100	13.96	± 10%	NA
ORP (mV)	228.0	227.9	13.89	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1.0		
	10	9.99		
	—	—		

Calibration Check					
Time Start 1330		**Time Finish** 1337			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4490	16.76	± 10% of standard	EPA 2023
pH (SU)	4.00	4.09	16.28	± 0.1	GWMP
pH (SU)	7.00	7.01	16.30	± 0.1	GWMP
pH (SU)	10.00	10.05	16.80	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	0.1		
	10	9.80		
	—	—		

Notes:

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 1-24-24

Calibrated By: Zain Webb

Field Conditions: Rain, 50°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatroll 400	851413
Turbidity Meter	LaMotte 2020e	4126-2623

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24J00604	05/24	AIR
pH (SU)	4.00	↓	↓	↓
pH (SU)	7.00	22250139	04/24	
pH (SU)	10.00	22110180	04/24	
D.O. (%)	N/A	—	—	
ORP (mV)	228.0	24002259	06/24	↓

Calibration					
Time Start 0736		**Time Finish** 0807			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4490	14.02	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	14.24	± 0.1	GWMP
pH (SU)	7.00	7.00	14.80	± 0.1	GWMP
pH (SU)	10.00	10.00	15.56	± 0.1	GWMP
D.O. (%)	N/A	100%	15.84	± 10%	NA
ORP (mV)	228.0	228.0	15.48	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	—	—		

Calibration Check					
Time Start 1152		**Time Finish** 1209			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4490	15.99	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	16.01	± 0.1	GWMP
pH (SU)	7.00	7.00	16.09	± 0.1	GWMP
pH (SU)	10.00	10.00	16.27	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	—	—		

Notes:

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 02/19/2024

Calibrated By: Jacob Tracy

Field Conditions: Sunny, Clear

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ	968300
Turbidity Meter	Hach	22096D0006239

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24060454	05/24	A+R
pH (SU)	4.00	↓	↓	
pH (SU)	7.00	22290139	04/24	A+R
pH (SU)	10.00	22160130	04/24	A+R
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	24002258	06/24	A+R

Calibration					
Time Start 830		Time Finish 845			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	1.68	± 10% of standard	EPA 2023
pH (SU)	4.00	4.0	1.58	± 0.1	GWMP
pH (SU)	7.00	7.0	2.00	± 0.1	GWMP
pH (SU)	10.00	10.0	2.13	± 0.1	GWMP
D.O. (%)	N/A	100%	3.04	± 10%	NA
ORP (mV)	228.0	228.0	2.14	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	~~0.02~~	—	± 10% of standard	EPA 2023
	20	21.4		
	100	105		
	800	806		

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

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

Notes:

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 2-20-2024

Calibrated By: A. Stewart

Field Conditions: Sunny, 60°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ AT400	843285
Turbidity Meter	2100Q HACH	14080C034447

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24000044	05/2024	AIR
pH (SU)	4.00	24000044	05/2024	AIR
pH (SU)	7.00	22290139	04/2024	AIR
pH (SU)	10.00	22110130	04/2024	AIR
D.O. (%)	N/A	–	–	–
ORP (mV)	228.0	24002258	06/2024	AIR

Calibration					
Time Start 1645		Time Finish 1710			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4670.6	19.04	± 10% of standard	EPA 2023
pH (SU)	4.00	3.95	19.17	± 0.1	GWMP
pH (SU)	7.00	6.96	20.23	± 0.1	GWMP
pH (SU)	10.00	9.94	18.95	± 0.1	GWMP
D.O. (%)	N/A	800.0	17.19	± 10%	NA
ORP (mV)	228.0	208.8	19.17	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.0	± 10% of standard	EPA 2023
	100	100		
	800	799		
	10.0	9.89		

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

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

Notes:

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 02/20/24

Calibrated By: Jacob Tracy

Field Conditions: Sunny, Clear

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ	968202
Turbidity Meter	Hach	22090200 00239

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	240000 44	05/24	AIR
pH (SU)	4.00	✓	✓	AIR
pH (SU)	7.00	2290134	04/24	AIR
pH (SU)	10.00	2211030	04/2024	AIR
D.O. (%)	N/A	~~2450258~~	~~04/24~~ 5-20-24	—
ORP (mV)	228.0	2460258	06/24	AIR

Calibration					
Time Start 815		Time Finish 845			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	8.8C	± 10% of standard	EPA 2023
pH (SU)	4.00	4.0	8.84	± 0.1	GWMP
pH (SU)	7.00	7.0	8.45	± 0.1	GWMP
pH (SU)	10.00	10.0	8.15	± 0.1	GWMP
D.O. (%)	N/A	100	7.52	± 10%	NA
ORP (mV)	228.0	230	7.98	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	21.7	± 10% of standard	EPA 2023
	100	102		
	800	845		

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

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

Notes:

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 02/21/2024

Calibrated By: Jacob Tracy

Field Conditions: Sunny, Clear

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	YSI-Exo	968202
Turbidity Meter	Hach	22090 D 000234

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24000144	05/24	YSI
pH (SU)	4.00	↓	↓	↓
pH (SU)	7.00	22290139	04/24	
pH (SU)	10.00	22110130	04/24	
D.O. (%)	N/A	—	—	
ORP (mV)	228.0	24000258	06/24	

Calibration					
Time Start 815		Time Finish 845			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	7.31	± 10% of standard	EPA 2023
pH (SU)	4.00	4.0	7.36	± 0.1	GWMP
pH (SU)	7.00	7.0	7.63	± 0.1	GWMP
pH (SU)	10.00	10.00	7.74	± 0.1	GWMP
D.O. (%)	N/A	100.0	6.53	± 10%	NA
ORP (mV)	228.0	228	7.51	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	22	± 10% of standard	EPA 2023
	100	90.9		
	800	749		
	—	—		

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

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

Notes:

Site Name: Plant Hammond

Calibrated By: A. Szwast

Field Instrumentation Calibration Form

Date: 5-13-2024

Field Conditions: Cloudy, 67°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquaread AP-700	850751
Turbidity Meter	LaMotte 2020e	7009-1416

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24005593	12/2024	AR
pH (SU)	4.00	24005593	12/2024	AR
pH (SU)	7.00	24003597	12/2024	AR
pH (SU)	10.00	24004996	11/2024	AR
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	24006907	11/2024	AR

Calibration					
Time Start 815		Time Finish 835			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4440.00	18.26	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	18.26	± 0.1	GWMP
pH (SU)	7.00	7.00	19.24	± 0.1	GWMP
pH (SU)	10.00	10.00	19.45	± 0.1	GWMP
D.O. (%)	N/A	100.00	17.26	± 10%	NA
ORP (mV)	228.0	228.0	19.41	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.00	± 10% of standard	EPA 2023
	1	0.79		
	10	10.05		
	—	—		

Calibration Check					
Time Start 1305		Time Finish 1315			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490.0	18.20	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	18.39	± 0.1	GWMP
pH (SU)	7.00	7.00	18.44	± 0.1	GWMP
pH (SU)	10.00	10.00	18.41	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.00	± 10% of standard	EPA 2023
	1	0.79		
	10	10.05		
	—	—		

Notes:

Site Name: GP Plant Hammond

Field Instrumentation Calibration Form

Date: 5/13/24

Calibrated By: J. Newsome

Field Conditions: Light Rain, 66°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatroll	916c105
Turbidity Meter	LaMotte 2020we	711 - 1411

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24005593	12/24	AIR
pH (SU)	4.00	24005593	12/24	AIR
pH (SU)	7.00	24004517	12/24	AIR
pH (SU)	10.00	24000085	12/24	AIR
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	24001903	12/24	AIR

Calibration					
Time Start	0800	Time Finish	0830		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4708.2	18.9	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	19.23	± 0.1	GWMP
pH (SU)	7.00	6.93	19.41	± 0.1	GWMP
pH (SU)	10.00	10.05	19.83	± 0.1	GWMP
D.O. (%)	N/A	99.2%	16.78	± 10%	NA
ORP (mV)	228.0	238.2	19.77	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.23	± 10% of standard	EPA 2023
	1	1.01		
	10	10.00		
	—	—		

Calibration Check					
Time Start	1235	Time Finish	1247		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4617.9	19.43	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	19.43	± 0.1	GWMP
pH (SU)	7.00	7.03	18.69	± 0.1	GWMP
pH (SU)	10.00	9.98	18.74	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.01	± 10% of standard	EPA 2023
	1	1.0		
	10	10.07		
	—	—		

Notes:

Field Instrumentation Calibration Form

Site Name: Hammond

Date: 8/7/24

Calibrated By: E Russell

Field Conditions: 70-90, Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquaroll 900	1080293
Turbidity Meter	Hamotte 2020	SN1596-3019

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24005593	12/24	AMR
pH (SU)	4.00	24003593	12/24	AMR
pH (SU)	7.00	24004517	12/24	AMR
pH (SU)	10.00	24000085	12/24	AMR
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	24006903	12/24	AMR

Calibration					
Time Start	800	Time Finish	835		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	29.11	± 10% of standard	EPA 2023
pH (SU)	4.00	4.0	29.64	± 0.1	GWMP
pH (SU)	7.00	7.0	29.77	± 0.1	GWMP
pH (SU)	10.00	10.0	29.83	± 0.1	GWMP
D.O. (%)	N/A	—	29.31	± 10%	NA
ORP (mV)	228.0	228	29.34	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.1	± 10% of standard	EPA 2023
	1	1.0		
	10	9.92		

Calibration Check					
Time Start	1300	Time Finish	1315		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4497	35.20	± 10% of standard	EPA 2023
pH (SU)	4.00	4.0	35.21	± 0.1	GWMP
pH (SU)	7.00	7.0	35.03	± 0.1	GWMP
pH (SU)	10.00	10.0	35.13	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.13	± 10% of standard	EPA 2023
	1	1.1		
	10	9.97		

Notes:

Site Name: Hammond

Field Instrumentation Calibration Form

Date: 8/8/24

Calibrated By: E. Russell

Field Conditions: 70-95, sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	aquaful	1080293
Turbidity Meter	LaMotte 2020e	SN-19963019

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24005593	12/24	AIR
pH (SU)	4.00	24005593	12/24	AIR
pH (SU)	7.00	24005517	12/24	AIR
pH (SU)	10.00	24000085	12/24	AIR
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	24006905	12/24	AIR

Calibration					
Time Start 900		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	28.17	± 10% of standard	EPA 2023
pH (SU)	4.00	4.0	28.54	± 0.1	GWMP
pH (SU)	7.00	7.0	28.78	± 0.1	GWMP
pH (SU)	10.00	10.0	28.62	± 0.1	GWMP
D.O. (%)	N/A	100%	28.18	± 10%	NA
ORP (mV)	228.0	228	28.87	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	-0.07	± 10% of standard	EPA 2023
	1	1.0		
	10	9.90		

Calibration Check					
Time Start 1410		Time Finish 1430			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	35.64	± 10% of standard	EPA 2023
pH (SU)	4.00	4.0	35.33	± 0.1	GWMP
pH (SU)	7.00	7.0	34.26	± 0.1	GWMP
pH (SU)	10.00	10.0	33.45	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	-0.10	± 10% of standard	EPA 2023
	1	1.07		
	10	9.98		

Notes:

Site Name: ~~[redacted]~~ Hammond

Field Instrumentation Calibration Form

Date: 8/12/24

Calibrated By: ERussell

Field Conditions: 70-90, Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatroll 400	1080293
Turbidity Meter	LaMotte 2020	SN 596-3019

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24005593	12/24	ATR
pH (SU)	4.00	24005593	12/24	ATR
pH (SU)	7.00	24004517	12/24	ATR
pH (SU)	10.00	24000085	12/24	ATR
D.O. (%)	N/A	—	—	ATR
ORP (mV)	228.0	24006903	12/24	ATR

Calibration					
Time Start	735	Time Finish	755		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	22.06	± 10% of standard	EPA 2023
pH (SU)	4.00	4.0	22.13	± 0.1	GWMP
pH (SU)	7.00	7.0	22.67	± 0.1	GWMP
pH (SU)	10.00	10.0	23.02	± 0.1	GWMP
D.O. (%)	N/A	100	22.80	± 10%	NA
ORP (mV)	228.0	228	23.08	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	.23	± 10% of standard	EPA 2023
	1	1.07		
	10	9.98		

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

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

Notes:

done before 2pm, no mid day calibration N/A

Site Name: Plant Hammond

Field Instrumentation Calibration Form

Date: 11-14-24

Calibrated By: Zain W.

Field Conditions: Cloudy, 60°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1080302
Turbidity Meter	LaMotte 2020e	4121-1623

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4.490	24010743	05/2025	AIR
pH (SU)	4.00	24010943	05/2025	AIR
pH (SU)	7.00	24008587	06/2025	AIR
pH (SU)	10.00	24004996	06/2025	AIR
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	24011792	06/2025	AIR

Calibration					
Time Start 0915		Time Finish 0947			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4.490	4490	15.52	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	15.55	± 0.1	GWMP
pH (SU)	7.00	7.00	16.02	± 0.1	GWMP
pH (SU)	10.00	10.00	15.98	± 0.1	GWMP
D.O. (%)	N/A	100.2	16.62	± 10%	NA
ORP (mV)	228.0	228.0	15.95	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	—	—		

Calibration Check					
Time Start 1242		Time Finish 1256			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4.490	4490	17.63	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	17.83	± 0.1	GWMP
pH (SU)	7.00	7.00	17.74	± 0.1	GWMP
pH (SU)	10.00	10.00	17.72	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	—	—		

Notes:

Site Name: Plant Hammond

Calibrated By: Jacob Troy

Field Instrumentation Calibration Form

Date: 11/14/24

Field Conditions: Rainy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	YSI-EXO2	19B28817
Turbidity Meter	LaMotte	1511-411

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24021094A3	03/25	AMR
pH (SU)	4.00	↓	↓	↓
pH (SU)	7.00	24009587	03/25	↓
pH (SU)	10.00	24004496	06/25	↓
D.O. (%)	N/A		—	—
ORP (mV)	228.0	24011792	06/25	AMR

Calibration					
Time Start 07:20 (JT)		Time Finish 07:40 (JT)			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	19.50	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	19.65	± 0.1	GWMP
pH (SU)	7.00	6.93	19.65	± 0.1	GWMP
pH (SU)	10.00	9.98	19.61	± 0.1	GWMP
D.O. (%)	N/A	100	19.34	± 10%	NA
ORP (mV)	228.0	229.8	19.64	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.01	± 10% of standard	EPA 2023
	1	0.95		
	10	10		

Calibration Check					
Time Start 13:50 (JT)		Time Finish 14:05 (JT)			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4496.6	19.31	± 10% of standard	EPA 2023
pH (SU)	4.00	4.10	19.86	± 0.1	GWMP
pH (SU)	7.00	7.10	19.93	± 0.1	GWMP
pH (SU)	10.00	10.09	20.04	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.06	± 10% of standard	EPA 2023
	1	0.94		
	10	10.05		

Notes:

Site Name: Plant Hammond

Calibrated By: Zain Webb

Field Instrumentation Calibration Form

Date: 11-15-24

Field Conditions: Cloudy, 60°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatroll 400	1080302
Turbidity Meter	LaMotte 2020e	SN4121-2225

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	05/2025	AIR
pH (SU)	4.00	24010943	05/2025	AIR
pH (SU)	7.00	24008587	06/2025	AIR
pH (SU)	10.00	24004996	06/2025	AIR
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	24011992	06/2025	AIR

Calibration					
Time Start 0805		Time Finish 0830			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	13.08	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	13.14	± 0.1	GWMP
pH (SU)	7.00	7.00	14.03	± 0.1	GWMP
pH (SU)	10.00	10.00	14.44	± 0.1	GWMP
D.O. (%)	N/A	100.2	14.77	± 10%	NA
ORP (mV)	228.0	228.0	14.47	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0	± 10% of standard	EPA 2023
	1	1		
	10	10		
	—	—		

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

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

Notes:

Site Name: Plant Hammond

Calibrated By: JNT

Field Instrumentation Calibration Form

Date: ~~11/4/24~~ 11/13/24

Field Conditions: 61000

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ	1082817
Turbidity Meter	Lamotte	1511-4111

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	05/23	A&T
pH (SU)	4.00	↓	↓	↓
pH (SU)	7.00	24000587	05/27	ATR
pH (SU)	10.00	24004461	06/25	ATR
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	24011792	06/05	ATR

Calibration					
Time Start 0850 (JT)		Time Finish 09:10 (JT)			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	13.94	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05	@ 13.85	± 0.1	GWMP
pH (SU)	7.00	7.03	13.81	± 0.1	GWMP
pH (SU)	10.00	10.04	13.81	± 0.1	GWMP
D.O. (%)	N/A	96.31	13.62	± 10%	NA
ORP (mV)	228.0	229	13.51	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.01	± 10% of standard	EPA 2023
	1	0.99		
	10	10		

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

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

Notes:

APPENDIX E

EDR Report

Plant Hammond
5963 Alabama Hwy
Rome, GA 30165

Inquiry Number: 08155483.1r
October 29, 2025

The EDR GeoCheck® Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK® - PHYSICAL SETTING SOURCE REPORT

TARGET PROPERTY ADDRESS

PLANT HAMMOND
5963 ALABAMA HWY
ROME, GA 30165

TARGET PROPERTY COORDINATES

Latitude (North):	34.252186 - 34° 15' 7.87''
Longitude (West):	85.346935 - 85° 20' 48.97''
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	652215.6
UTM Y (Meters):	3791159.2
Elevation:	588 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	34085-C3 ROCK MOUNTAIN, GA
Version Date:	1985
South Map:	34085-B3 LIVINGSTON, GA
Version Date:	1982

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

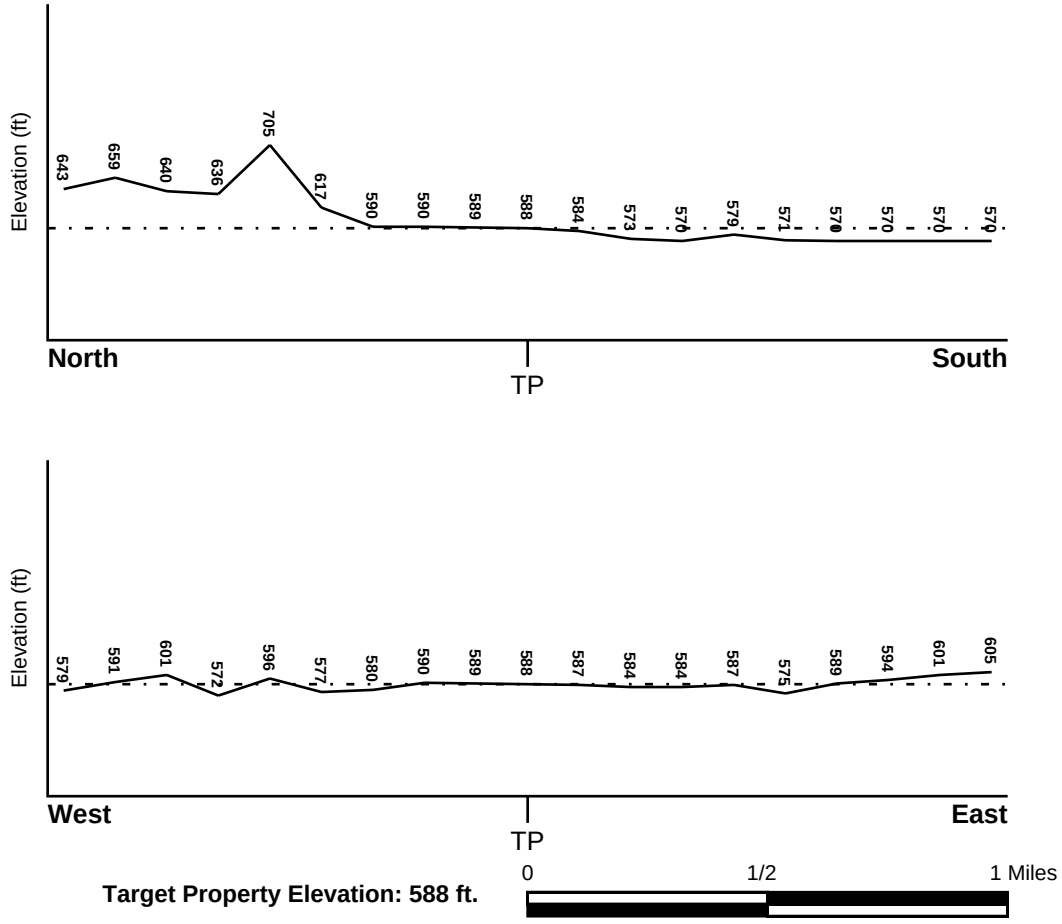
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General South

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
13115C0163E	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
13115C0164E	FEMA FIRM Flood data
13115C0252E	FEMA FIRM Flood data
13115C0251E	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
ROCK MOUNTAIN	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Paleozoic
System:	Cambrian
Series:	Cambrian
Code:	C *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	ETOWAH
Soil Surface Texture:	loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 5.50 Min: 4.50
2	7 inches	38 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 5.50 Min: 4.50
3	38 inches	70 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 5.50 Min: 4.50

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam
clay loam

Surficial Soil Types: silt loam
clay loam

Shallow Soil Types: sandy clay loam
clay loam
silty clay loam
silty clay

Deeper Soil Types: clay loam
stratified
clay
cherty - clay loam
weathered bedrock
loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	2.000
Federal FRDS PWS	2.000
State Database	2.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS40000266955	1/8 - 1/4 Mile NW
B3	USGS40000266956	1/8 - 1/4 Mile NNE
D7	USGS40000266962	1/4 - 1/2 Mile North
B9	USGS40000266957	1/4 - 1/2 Mile NE
D12	USGS40000266965	1/4 - 1/2 Mile NNW
E13	USGS40000266972	1/4 - 1/2 Mile North
E16	USGS40000266968	1/2 - 1 Mile NNE
F18	USGS40000266981	1/2 - 1 Mile North
G21	USGS40000266978	1 - 2 Miles NE
H22	USGS40000266969	1 - 2 Miles ENE
H25	USGS40000266975	1 - 2 Miles ENE
I27	USGS40000266890	1 - 2 Miles South
J29	USGS40000266908	1 - 2 Miles SE
K31	USGS40000266958	1 - 2 Miles East

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

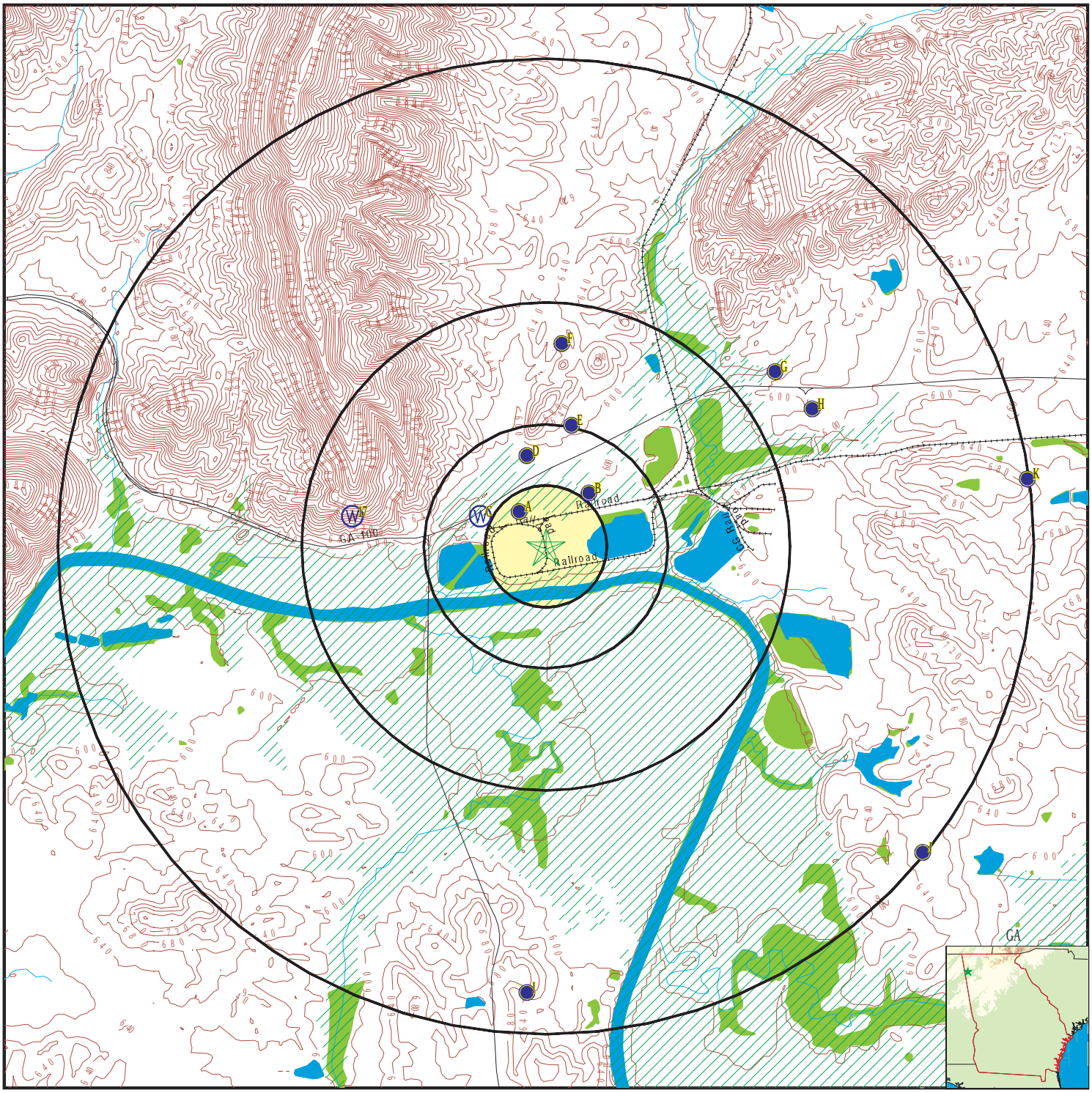
MAP ID	WELL ID	LOCATION FROM TP
A2	0000004171	1/8 - 1/4 Mile NW
B4	0000004172	1/8 - 1/4 Mile NNE
C5	0000004168	1/4 - 1/2 Mile WNW
C6	0000004169	1/4 - 1/2 Mile WNW
D8	0000004175	1/4 - 1/2 Mile North
B10	0000004173	1/4 - 1/2 Mile NE
D11	0000004177	1/4 - 1/2 Mile NNW
E14	0000004181	1/4 - 1/2 Mile North
E15	0000004179	1/2 - 1 Mile NNE
17	0000004170	1/2 - 1 Mile West
F19	0000004188	1/2 - 1 Mile North
G20	0000004185	1 - 2 Miles NE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
H23	0000004180	1 - 2 Miles ENE
H24	0000004183	1 - 2 Miles ENE
I26	0000004144	1 - 2 Miles South
J28	0000004151	1 - 2 Miles SE
K30	0000004174	1 - 2 Miles East

PHYSICAL SETTING SOURCE MAP - 08155483.1r



County Boundary
Major Roads
Contour Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

Groundwater Flow Direction
Indeterminate Groundwater Flow at Location
Groundwater Flow Varies at Location
100-year flood zone
500-year flood zone
National Wetland Inventory
Wildlife Areas

SITE NAME:	Plant Hammond	CLIENT:	Geosyntec Consultants
ADDRESS:	5963 Alabama Hwy Rome GA 30165	CONTACT:	Tristan Halterman
		INQUIRY #:	08155483.1r
LAT/LONG:	34.252186 / 85.346935	DATE:	October 29, 2025 10:16 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
NW
1/8 - 1/4 Mile
Higher

FED USGS **USGS40000266955**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	03JJ41	Type:	Well
Description:	GA POWER, PLANT HAMMOND	HUC:	03150105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Valley and Ridge aquifers	Formation Type:	Conasauga Formation
Aquifer Type:	Not Reported	Construction Date:	19511101
Well Depth:	411	Well Depth Units:	ft
Well Hole Depth:	411	Well Hole Depth Units:	ft

A2
NW
1/8 - 1/4 Mile
Higher

GA WELLS **0000004171**

County code:	115	Well num:	03JJ41
Remarks:	GA POWER, PLANT HAMMOND	Lat:	341515
Lon:	0852056	Latlon datum:	NAD27
Alt:	586.00	Alt datum:	NGVD29
Depth:	411	Depth to casing:	44.5
Casing dia:	12.	Casing matl:	Not Reported
Depth to top:	44.5	Depth to bot:	411.
Opening type:	X	Constr date:	19551101
Discharge:	69.60	Prim use:	N
Aquifer code:	371CNSG	Edr id:	0000004171

B3
NNE
1/8 - 1/4 Mile
Higher

FED USGS **USGS40000266956**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	03JJ35	Type:	Well
Description:	GA. POWER CO. WELL NO.3	HUC:	03150105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Valley and Ridge aquifers	Formation Type:	Conasauga Formation
Aquifer Type:	Not Reported	Construction Date:	195111
Well Depth:	405	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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B4
NNE
1/8 - 1/4 Mile
Higher

GA WELLS **0000004172**

County code:	115	Well num:	03JJ35
Remarks:	GA. POWER CO. WELL NO.3	Lat:	341518
Lon:	0852041	Latlon datum:	NAD27
Alt:	590.0	Alt datum:	NGVD29

Depth:	405.0	Depth to casing:	22.0
Casing dia:	12.0	Casing matl:	Not Reported
Depth to top:	22.0	Depth to bot:	405.0
Opening type:	X	Constr date:	195111
Discharge:	Not Reported	Prim use:	Not Reported
Aquifer code:	371CNSG	Edr id:	0000004172

C5
WNW
1/4 - 1/2 Mile
Higher

GA WELLS **0000004168**

County code:	115	Well num:	03JJS2
Remarks:	JOE EARLY	Lat:	341514
Lon:	0852106	Latlon datum:	NAD27
Alt:	590	Alt datum:	NGVD29
Depth:	Not Reported	Depth to casing:	Not Reported
Casing dia:	Not Reported	Casing matl:	Not Reported
Depth to top:	Not Reported	Depth to bot:	Not Reported
Opening type:	Not Reported	Constr date:	Not Reported
Discharge:	208.3	Prim use:	Not Reported
Aquifer code:	Not Reported	Edr id:	0000004168

C6
WNW
1/4 - 1/2 Mile
Higher

GA WELLS **0000004169**

County code:	115	Well num:	03JJS2
Remarks:	JOE EARLY	Lat:	341514
Lon:	0852106	Latlon datum:	NAD27
Alt:	590	Alt datum:	NGVD29
Depth:	Not Reported	Depth to casing:	Not Reported
Casing dia:	Not Reported	Casing matl:	Not Reported
Depth to top:	Not Reported	Depth to bot:	Not Reported
Opening type:	Not Reported	Constr date:	Not Reported
Discharge:	208.3	Prim use:	Not Reported
Aquifer code:	Not Reported	Edr id:	0000004169

D7
North
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000266962**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	03JJ31	Type:	Well
Description:	RUTH BRIDGES	HUC:	03150105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Valley and Ridge aquifers	Formation Type:	Floyd Shale
Aquifer Type:	Not Reported	Construction Date:	1949
Well Depth:	96	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1961-11-07
Feet below surface:	20	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D8
North
1/4 - 1/2 Mile
Higher

GA WELLS **0000004175**

County code:	115	Well num:	03JJ31
Remarks:	RUTH BRIDGES	Lat:	341524
Lon:	0852052	Latlon datum:	NAD27
Alt:	590	Alt datum:	NGVD29
Depth:	96	Depth to casing:	20
Casing dia:	6	Casing matl:	Not Reported
Depth to top:	20	Depth to bot:	96
Opening type:	X	Constr date:	1949
Discharge:	10	Prim use:	H
Aquifer code:	331FLYD	Edr id:	0000004175

B9
NE
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000266957**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	03JJ40	Type:	Well
Description:	GA POWER CO, HAMMOND PLNT	HUC:	03150105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Valley and Ridge aquifers	Formation Type:	Conasauga Formation
Aquifer Type:	Not Reported	Construction Date:	195111
Well Depth:	405	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1951-11
Feet below surface:	15	Feet to sea level:	Not Reported
Note:	Not Reported		

B10
NE
1/4 - 1/2 Mile
Higher

GA WELLS **0000004173**

County code:	115	Well num:	03JJ40
Remarks:	GA POWER CO, HAMMOND PLNT	Lat:	341520
Lon:	0852035	Latlon datum:	NAD27
Alt:	590	Alt datum:	NGVD29
Depth:	405	Depth to casing:	Not Reported
Casing dia:	Not Reported	Casing matl:	Not Reported
Depth to top:	Not Reported	Depth to bot:	Not Reported
Opening type:	Not Reported	Constr date:	195111
Discharge:	40.	Prim use:	N
Aquifer code:	371CNSG	Edr id:	0000004173

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D11
NNW
1/4 - 1/2 Mile
Higher

GA WELLS **0000004177**

County code:	115	Well num:	03JJ14
Remarks:	MRS. ARTHUR L. LLOYD	Lat:	341530
Lon:	0852056	Latlon datum:	NAD27
Alt:	595	Alt datum:	NGVD29
Depth:	87	Depth to casing:	21
Casing dia:	6	Casing matl:	Not Reported
Depth to top:	21	Depth to bot:	87
Opening type:	X	Constr date:	1948
Discharge:	16.7	Prim use:	H
Aquifer code:	371CNSG	Edr id:	0000004177

D12
NNW
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000266965**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	03JJ14	Type:	Well
Description:	MRS. ARTHUR L. LLOYD	HUC:	03150105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Valley and Ridge aquifers	Formation Type:	Conasauga Formation
Aquifer Type:	Not Reported	Construction Date:	1948
Well Depth:	87	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1948
Feet below surface:	4	Feet to sea level:	Not Reported
Note:	Not Reported		

E13
North
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000266972**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	03JJ13	Type:	Well
Description:	ARTHUR W. LLOYD	HUC:	03150105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Valley and Ridge aquifers	Formation Type:	Floyd Shale
Aquifer Type:	Not Reported	Construction Date:	1955
Well Depth:	72	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1955
Feet below surface:	15.0	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E14
North
1/4 - 1/2 Mile
Higher

GA WELLS **0000004181**

County code:	115	Well num:	03JJ13
Remarks:	ARTHUR W. LLOYD	Lat:	341533
Lon:	0852047	Latlon datum:	NAD27
Alt:	625	Alt datum:	NGVD29
Depth:	72	Depth to casing:	28
Casing dia:	6	Casing matl:	Not Reported
Depth to top:	28	Depth to bot:	72
Opening type:	X	Constr date:	1955
Discharge:	15	Prim use:	H
Aquifer code:	331FLYD	Edr id:	0000004181

E15
NNE
1/2 - 1 Mile
Higher

GA WELLS **0000004179**

County code:	115	Well num:	03JJ12
Remarks:	DEWEY H. WORTHY JR.	Lat:	341534
Lon:	0852038	Latlon datum:	NAD27
Alt:	600	Alt datum:	NGVD29
Depth:	60	Depth to casing:	55
Casing dia:	6	Casing matl:	Not Reported
Depth to top:	55	Depth to bot:	60
Opening type:	X	Constr date:	196106
Discharge:	10	Prim use:	H
Aquifer code:	331FLYD	Edr id:	0000004179

E16
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS40000266968**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	03JJ12	Type:	Well
Description:	DEWEY H. WORTHY JR.	HUC:	03150105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Valley and Ridge aquifers	Formation Type:	Floyd Shale
Aquifer Type:	Not Reported	Construction Date:	196106
Well Depth:	60	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1961-11-07
Feet below surface:	15.35	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

17
West
1/2 - 1 Mile
Higher

GA WELLS **0000004170**

County code:	115	Well num:	03JJ47
Remarks:	A.A. LOONEY	Lat:	341514
Lon:	0852139	Latlon datum:	NAD27
Alt:	800	Alt datum:	NGVD29
Depth:	Not Reported	Depth to casing:	Not Reported
Casing dia:	Not Reported	Casing matl:	Not Reported
Depth to top:	Not Reported	Depth to bot:	Not Reported
Opening type:	Not Reported	Constr date:	Not Reported
Discharge:	Not Reported	Prim use:	Not Reported
Aquifer code:	Not Reported	Edr id:	0000004170

F18
North
1/2 - 1 Mile
Higher

FED USGS **USGS40000266981**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	03JJ15	Type:	Well
Description:	ROME CRAFT	HUC:	03150105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Valley and Ridge aquifers	Formation Type:	Floyd Shale
Aquifer Type:	Not Reported	Construction Date:	1958
Well Depth:	205	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1958
Feet below surface:	40.0	Feet to sea level:	Not Reported
Note:	Not Reported		

F19
North
1/2 - 1 Mile
Higher

GA WELLS **0000004188**

County code:	115	Well num:	03JJ15
Remarks:	ROME CRAFT	Lat:	341551
Lon:	0852045	Latlon datum:	NAD27
Alt:	640	Alt datum:	NGVD29
Depth:	205	Depth to casing:	179
Casing dia:	6	Casing matl:	Not Reported
Depth to top:	179	Depth to bot:	205
Opening type:	X	Constr date:	1958
Discharge:	6.5	Prim use:	C
Aquifer code:	331FLYD	Edr id:	0000004188

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
G20 **NE** **1 - 2 Miles** **Lower**	**GA WELLS**	**0000004185**

County code:	115	Well num:	03JJ16
Remarks:	C.W. AKRIDGE	Lat:	341545
Lon:	0851950	Latlon datum:	NAD27
Alt:	590	Alt datum:	NGVD29
Depth:	89	Depth to casing:	7
Casing dia:	6	Casing matl:	Not Reported
Depth to top:	7	Depth to bot:	89
Opening type:	X	Constr date:	1941
Discharge:	5	Prim use:	H
Aquifer code:	331FLYD	Edr id:	0000004185

G21 **NE** **1 - 2 Miles** **Lower**		**FED USGS**	**USGS40000266978**
Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	03JJ16	Type:	Well
Description:	C.W. AKRIDGE	HUC:	03150105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Valley and Ridge aquifers	Formation Type:	Floyd Shale
Aquifer Type:	Not Reported	Construction Date:	1941
Well Depth:	89	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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H22 **ENE** **1 - 2 Miles** **Higher**		**FED USGS**	**USGS40000266969**
Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	03JJ17	Type:	Well
Description:	C.W. AKRIDGE	HUC:	03150105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Valley and Ridge aquifers	Formation Type:	Floyd Shale
Aquifer Type:	Not Reported	Construction Date:	1945
Well Depth:	157	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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H23 **ENE** **1 - 2 Miles** **Higher**		**GA WELLS**	**0000004180**
County code:	115	Well num:	03JJ17
Remarks:	C.W. AKRIDGE	Lat:	341535
Lon:	0851942	Latlon datum:	NAD27
Alt:	605	Alt datum:	NGVD29

Depth:	157	Depth to casing:	Not Reported
Casing dia:	6.0	Casing matl:	Not Reported
Depth to top:	Not Reported	Depth to bot:	Not Reported
Opening type:	Not Reported	Constr date:	1945
Discharge:	5	Prim use:	H
Aquifer code:	331FLYD	Edr id:	0000004180

H24
ENE
1 - 2 Miles
Higher

GA WELLS **0000004183**

County code:	115	Well num:	03JJ18
Remarks:	C.H. JOHNSON	Lat:	341539
Lon:	0851939	Latlon datum:	NAD27
Alt:	600	Alt datum:	NGVD29
Depth:	96	Depth to casing:	35
Casing dia:	6	Casing matl:	Not Reported
Depth to top:	35	Depth to bot:	96
Opening type:	X	Constr date:	1959
Discharge:	Not Reported	Prim use:	H
Aquifer code:	331FLYD	Edr id:	0000004183

H25
ENE
1 - 2 Miles
Higher

FED USGS **USGS40000266975**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	03JJ18	Type:	Well
Description:	C.H. JOHNSON	HUC:	03150105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Valley and Ridge aquifers	Formation Type:	Floyd Shale
Aquifer Type:	Not Reported	Construction Date:	1959
Well Depth:	96	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1961-11-07
Feet below surface:	33.28	Feet to sea level:	Not Reported
Note:	Not Reported		

I26
South
1 - 2 Miles
Higher

GA WELLS **0000004144**

County code:	115	Well num:	03HH27
Remarks:	SIDNEY EVANS	Lat:	341332
Lon:	0852054	Latlon datum:	NAD27
Alt:	660.0	Alt datum:	NGVD29
Depth:	129.0	Depth to casing:	50.0
Casing dia:	6.0	Casing matl:	Not Reported
Depth to top:	50.0	Depth to bot:	129.0
Opening type:	X	Constr date:	1956
Discharge:	9.0	Prim use:	H
Aquifer code:	371CNSG	Edr id:	0000004144

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I27
South
1 - 2 Miles
Higher

FED USGS **USGS40000266890**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	03HH27	Type:	Well
Description:	SIDNEY EVANS	HUC:	03150105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Valley and Ridge aquifers	Formation Type:	Conasauga Formation
Aquifer Type:	Not Reported	Construction Date:	1956
Well Depth:	129	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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J28
SE
1 - 2 Miles
Higher

GA WELLS **0000004151**

County code:	115	Well num:	03HH03
Remarks:	L.L. PUCKETT	Lat:	341402
Lon:	0851912	Latlon datum:	NAD27
Alt:	650.0	Alt datum:	NGVD29
Depth:	125.0	Depth to casing:	31.0
Casing dia:	6.0	Casing matl:	Not Reported
Depth to top:	31.0	Depth to bot:	125.0
Opening type:	X	Constr date:	1960
Discharge:	4.5	Prim use:	H
Aquifer code:	371CNSG	Edr id:	0000004151

J29
SE
1 - 2 Miles
Higher

FED USGS **USGS40000266908**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	03HH03	Type:	Well
Description:	L.L. PUCKETT	HUC:	03150105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Valley and Ridge aquifers	Formation Type:	Conasauga Formation
Aquifer Type:	Not Reported	Construction Date:	1960
Well Depth:	125	Well Depth Units:	ft
Well Hole Depth:	125	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1960
Feet below surface:	27.0	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database	EDR ID Number
GA WELLS	**0000004174**

K30
East
1 - 2 Miles
Higher

County code:	115	Well num:	03JJ20
Remarks:	JACK AKRIDGE	Lat:	341522
Lon:	0851845	Latlon datum:	NAD27
Alt:	670	Alt datum:	NGVD29
Depth:	65	Depth to casing:	Not Reported
Casing dia:	Not Reported	Casing matl:	Not Reported
Depth to top:	Not Reported	Depth to bot:	Not Reported
Opening type:	Not Reported	Constr date:	1955
Discharge:	11.7	Prim use:	H
Aquifer code:	371CNSG	Edr id:	0000004174

K31
East
1 - 2 Miles
Higher

Database	EDR ID Number
FED USGS	**USGS40000266958**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	03JJ20	Type:	Well
Description:	JACK AKRIDGE	HUC:	03150105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Valley and Ridge aquifers	Formation Type:	Conasauga Formation
Aquifer Type:	Not Reported	Construction Date:	1955
Well Depth:	65	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for FLOYD County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for FLOYD COUNTY, GA

Number of sites tested: 14

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.586 pCi/L	93%	7%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.767 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Georgia GIS Clearinghouse
Telephone: 706-542-1581

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

A listing of Private Water Well locations
Georgia Department of Public Health
Telephone: (404) 657-2700
A listing of Private Water Well locations

Georgia Public Supply Wells
Source: Georgia Department of Community Affairs
Telephone: 404-894-0127

USGS Georgia Water Wells
Source: USGS, Georgia District Office
Telephone: 770-903-9100

DNR Managed Lands
Source: Department of Natural Resources
Telephone: 706-557-3032
This dataset provides 1:24,000-scale data depicting boundaries of land parcels making up the public lands managed by the Georgia Department of Natural Resources (GDNR). It includes polygon representations of State Parks, State Historic Parks, State Conservation Parks, State Historic Sites, Wildlife Management Areas, Public Fishing Areas, Fish Hatcheries, Natural Areas and other specially-designated areas. The data were collected and located by the Georgia Department of Natural Resources. Boundaries were digitized from survey plats or other information.

RADON

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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